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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                  Young A, Prickett K;
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                                                                                                                    WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                        Sequence 18 AA;
  WO200066629-A1
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                                                           30-APR-1999;
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                    09-NOV-2000
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  Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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No
Yes
Yes
                                                                                   Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "mohamed337.kev":
                                                                                                                                                                                                                                                                                                                                                                                           File Options:
Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
                               Quick User-directed Expression Search Tool
5.4
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                                                                    -- Outline of search "seq3_ags"
                                                                                            1 scope is Sequence.
1 sequence key from "mohamed337 key":
1 AA) ID seq3 AA preliminary pattern followed by
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Run Parameters
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aab52873; Extendin agonist compound #1.
(from "seq398: pop")
TOIG of: aab52873 check: 3037 from: 1
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No
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Find non-matching hits only
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Time to start comparison
Notify at end of run
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Sequence context
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52874; Extendin agonist compound #2.
(from "seq39ag.pep")
TOIG of: aab52874 check: 3492 from: 1
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28-APR-2000; 2000WO-US011814.
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Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia;
insulin-resistance syndrome; food intake.
 1 match found in sequence:
ab52876; Extendin agonist compound #4.
(from "seq3adg.pep")
TOIG of: aab52876 check: 3225 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                              28-APR-2000; 2000WO-US011814.
                                                                                                                                                                                                          Extendin agonist compound #4
                                                                                           AAB52876 standard; peptide;
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                                                                                                                                    AAB52876;
                                                                                                 Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obsetprity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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aab52875 ; Extendin agonist compound #3.
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Disclosure; Fig 3; 119pp; English.
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TOIG of: aab52875 c
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99US-0132018P

Prickett K;

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq3' (mohamed337.key)
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                                                                                            Disclosure; Fig 3; 119pp; English.
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HGEFTSDLLFVEFPPPPS
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                             The present invention relates to extendins and their agonists which have
                                                                                been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, inpaired glucose tolerance, postprandial dumping syndrome, postprandial hyporglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq3' (mohamed337.key)
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TOIG of: aab52879 check: 3300 from: 1
                    Disclosure, Fig 3; 119pp, English.
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insulin-resistance
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aab52878 ; Extendin agonist compound #6.
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Found using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                           Young A,
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AAB52880;

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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ab52882; Extendin agonist compound #10.
ab52882; Expp")
TOIG of: aab52882 check: 3312 from: 1
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                                                                                                    28-APR-2000; 2000WO-US011814
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                                                                                                                                                                                                             Prickett K;
                                                                                                                                                                                                                                            WPI; 2000-672834/65.
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                                 WO200066629-A1
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Heloderma sp.
                                                                     09-NOV-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52881 ; Extendin agonist compound #9.
(from "seq3ags.pep")
TOIG of: aab52881 check: 3312 from: 1
                                          match found in sequence:
aab52880 ; Extendin agonist compound #8.
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                                                                                                                                                                                                                                       Extendin agonist compound #8.
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                                                                              (from "seq3ags.pep")
TOIG of: aab52880
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for

WPI; 2000-672834/65.

Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.

Extendin agonist compound #9.

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check: 3312 from: 1

(from "seq3ags.pep") TOIG of: aab52884 c

match found in sequence: aab52884 ; Extendin agonist compound #12

| match

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                       and their agonists which have
                                                                  The present invention relates to extendins and their agonists which he been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                          aab52883 ; Extendin agonist compound #11.
(from "seq3ags.pep")
TOIG of: aab52883 check: 3312 from: 1
                                  Disclosure; Fig 3; 119pp; English.
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AAB52883 Length: 18 February 4, 2005 13:04 Type: P Check: 3312 ound using 'seq3' (mohamed337.key)

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HGEFTSDLMFIEWPPPPS

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for
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                                                                                                                    Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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treating disorders such as diabetes and obesity.
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AAB52884 standard; peptide; 18
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                                                                                        Extendin agonist compound #12.
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aab52885; Extendin agoni
(from "seq3ags.pep")
TOIG of: aab52885 check
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glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                            Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52886; Extendin agonist compound #14.
[from "seq3ags.pep"]
TOIG of: aab52886 check: 3082 from: 1
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HGEFTSDLLFIEFPPPPS
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                      The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucoset tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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to:
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aab52887; Extendin agonist compound #15.
(from "seq3ags.pep")
TOIG of: aab52887 check: 2382 from: 1
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Disclosure, Fig 3; 119pp, English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Extendin agonist compound #15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-APR-2000; 2000WO-US011814.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEFTSDLLFIEFPPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-672834/65.
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                                                                                                                                                                                                                                                                                                                   Sequence 18 AA;
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AAB52888

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PBG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obselty, impaired glucose tearnce, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial implicated dimping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; dila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB52889 Length: 18 February 4, 2005 13:04 Type: P Check: 2152 Found using '8eq3' (mohamed337.key)
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  insulin-resistance syndrome; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Fig 3; 119pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         aaw47550; Exendin agonist (1). (from "seq3ags.pep")
TOIG of: aaw47550 check: 3082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                 WPI; 2000-672834/65.
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                                                                            WO200066629-A1
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Modified-site
                                                                                                                                                                                                30-APR-1999;
                                          Heloderma sp.
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                                                                                                                                                                                                                                                                             Young A,
    Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucoare, tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                   Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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                                                                      match found in sequence:
aab52888; Extendin agonist compound #16.
(from "seq3ags.pep")
TOIG of: aab52888 check: 2592 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
aab52889; Extendin agonist compound #17.
(from "seq3ags.pep")
TOIG of: aab52889 check: 2152 from: 1
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                                                                                                                                                                                                                                                                                               Extendin agonist compound #16.
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HGEFTSDLMFIEWAAAAS
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                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200066629-A1.
                                                                                                                                                                                                                                                                                                                                                                                          Heloderma sp.
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Young A,

AAB52889

EXEXEXEX

Prickett KS;

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincrer of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imeging. Exendins, particularly radiological or by magnetic resonance imeging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been been become an exercise of the particular of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist, gastric motility, gastric emptying, treatment, spasm, postprandial dumping syndrome, postprandial hyperglycaemia, type 1 diabetes, impaired glucose tolerance, toxin ingestion, obesity, Gila monster venom.
                                                                                       Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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/note= "amidated"
                              Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW47551 standard; peptide; 18 AA
                                                                                                                                                                  Example 4; Fig 8; 70pp; English.
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  aww47551 ; Exendin agonist (2).
  (from "seq3ags.pep")
  TOIG of: aaw47551 check: 3303
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(AMYL-) AMYLIN PHARM INC.
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HGEFTSDLLFIEFPPPPS
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                                 Gedulin B,
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                                                                WPI; 1998-145351/13.
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                            hyperglycaemia
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                                   Young AA,
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to: 18

Prickett KS;

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or aphinter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been sugagested (USS-442886) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Regulating gastrointestinal motility using exendins or their agonists
for treating spasm, diabetic postprandial hyperglycaemia, impaired
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                     Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                   AAW47551 Length: 18 February 4, 2005 13:04 Type: P Check: 3303 Found using 'seq3' (mohamed337.key) .
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                                                                                                  Example 5; Fig 8; 70pp; English
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TOIG of: aaw47552 check: 3091
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HGEFTSDLLFIEWPPPPS
18
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WPI; 1998-145351/13
                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                              hyperglycaemia
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Fri Feb

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US54284286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                            AAW47552 Length: 18 February 4, 2005 13:04 Type: P Check: 3091 Found using 'seq3' (mohamed337.key)
glucose tolerance etc., also in diagnostic investigations
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/note= "amidated"
                                Example 6; Fig 8; 70pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist (4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gila monster venom.
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TOIG of: aaw47553 c
                                                                                                                                                                                                                                                                                                               Sequence 18 AA;
                                                                                                                                                                                                                                                                                  hyperglycaemia
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Example 7; Fig 8; 70pp; English

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist than the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US542486) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; glia monster venom.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
    aaw47554 ; Exendin agonist (5).
    (from "seq3ags.pep")
    TOIG of: aaw47554 check: 3420
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                                                                                                                                                                                                                                                                                            Sequence 18 AA;
                                                                                                                                                                                                                                                         hyperglycaemia
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglyroaenia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to
hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
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                                                                                                                                                                                                                                                                                                                                                                                                                    aaw47555; Exendin agonist (6). (from "seq3ags.pep")
TOIG of: aaw47555 check: 3309
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist (6).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       type 1 diabetes; im
Gila monster venom.
                                                                                                                                                                                                                    Sequence 18 AA;
                                                                                                                                                                                 hyperglycaemia
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincrer of oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obseity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (CLP). They are GLP agonists and have been suggested (USS424286) for treatment of diabetes and prevention of
                                                                                                                                                              AAW47555 Length: 18 February 4, 2005 13:04 Type: P Check: 3309
Found using 'seq3' (mohamed337.key)
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aaw47556; Exendin agonist (7).
(from "seq3ags.pep")
TOIG of: aaw47556 check: 3384
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                                                                                                                                    Sequence 18 AA;
                                                                                                 hyperglycaemia
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AAW47558 Length: 18 February 4, 2005 13:04 Type: P Check: 3313
                     Sequence 18 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
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components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                 AAW47556 Length: 18 February 4, 2005 13:04 Type: P Check: 3384 Found using 'seq3' (mohamed337.key)
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/note= "amidated"
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                                                                                                                                                                                                                                                                                                                                                check: 3307
                                                                                                                                                                                                                                                                                      match found in sequence:
aaw4/57; Exendin agonist (8).
(from "seq3ags.pep")
TOIG of: aaw4/557 check: 3307
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist (8).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 type 1 diabetes; in
Gila monster venom.
                                                                                               Sequence 18 AA;
                                                           hyperglycaemia
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Modified-site
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (USS424286) for treatment of diabetes and prevention of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial inmuing syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; gila monster venom.
   Type: P Check: 3307
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AAW47557 Length: 18 February 4, 2005 13:04 Found using 'seq3' (mohamed337.key)
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aaw47558; Exendin agonist (9).
(from "seq3ags.pep")
TOIG of: aaw47558 check: 3313
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                                                                                                 HGEFSSDLMFIEWPPPPS
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAW47558;
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1 match

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motility and delays gastric energying. It can be used to treat spasm motility and delays gastric energying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddl), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GEP). They are GLP agonists and have been suggested (USS428186) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         present sequence is an exendin agonist, which reduces gastric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAW47559 Length: 18 February 4, 2005 13:04 Type: P Check: 3318 Found using 'seg3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beeley NRA, Prickett KS;
                                                                                                                                                                                 check: 3318 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                      AAW47559 standard; peptide; 18 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 13; Fig 8; 70pp; English.
(mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  97WO-US014199.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     96US-00694954
                                                                                                                             match found in sequence:
aaw47559 ; Exendin agonist (10).
(from "seq3ags.pep")
TOIG of: aaw47559 check: 3318
                                                                                                                                                                                                                                                                                                03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA, Gedulin B,
                                                                                                                                                                                                                                                                                                                                 Exendin agonist (10).
                                                  HGEFSTDLMFIEWPPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1998-145351/13.
                                                                                                                                                                                                                                                                                                                                                                                                                              Gila monster venom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
 Found using 'seq3'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-AUG-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of oddi), postprandial dumping syndrome and phyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stonach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to gaugagested (USS424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                           Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW47560 Length: 18 February 4, 2005 13:04 Type: P Check: 3319 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prickett KS;
                                             18
                                                 <del>ن</del>
                                               check: 3319 from: 1
                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Beeley NRA,
                                                                               AAW47560 standard; peptide; 18 AA.
                                                                                                                                                                                                                                                                                                                                                                     /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 14; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        97WO-US014199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         96US-00694954
match found in sequence:
aaw47560 ; Exendin agonist (11).
(from "seq3ags.pep")
                                                                                                                                                  03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1998-145351/13.
                                                                                                                                                                                  Exendin agonist (11)
                                                                                                                                                                                                                                                                       Gila monster venom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
                                                 TOIG of: aaw47560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-AUG-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA,
                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                  AAW47560;
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|-----| HGEFTSELMFIEWPPPPS 1

1 match found in sequence:

HGEFTTDLMFIEWPPPPS

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with trype 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                  Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW47562 Length: 18 February 4, 2005 13:04 Type: P Check: 3178 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                               note= "pentylglycine"
  from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                              AAW47562 standard; peptide; 18 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 16; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        97WO-US014199.
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aaw47563 ; Exendin agonist (14).
TOIG of: aaw47562 check: 3178
                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA, Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEFTSDXLFIBFPPPS
1
                                                                                                                                                                                      Exendin agonist (13).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1998-145351/13.
                                                                                                                                                                                                                                                                                   type 1 diabetes; in
Gila monster venom,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                   Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-AUG-1997;
                                                                                                                                          03-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-AUG-1996;
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                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                            AAW47562;
                                                motility and delays gastric emptying. It can be used to treat spasm motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                              Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence is an exendin agonist, which reduces gastric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW47561 Length: 18 February 4, 2005 13:04 Type: P Check: 3399 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA, Gedulin B, Beeley NRA, Prickett KS;
                                                to: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'note= "pentylglycine"
                                              from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                          AAW47561 standard; peptide; 18 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "amidated"
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                                              check: 3399
  aaw47561 ; Exendin agonist (12).
                                                                                                                                                                                         (first entry)
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HGEFTSDXLFIEWPPPPS
18
                                                                                                                                                                                                                                  Exendin agonist (12)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1998-145351/13.
                                                                                                                                                                                                                                                                                                                                                       Gila monster venom.
                        (from "seq3ags.pep")
TOIG of: aaw47561 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-AUG-1996;
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                                                                                                                                                                                      03-JUL-1998
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                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                          AAW47561;
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Prickett KS

to: 18

(from "seq3ags.pep")
TOIG of: aaw47563 check: 3411 from: 1

aaw47562 ; Exendin agonist (13).
(from "seq3ags.pep")

1 match found in seguence:

(first entry)

03-JUL-1998

AAW47564;

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphinter of Oddi), postprandial dumping syndrome, and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (USS-44286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                         Exendin agonist; gastric motility, gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                              'notes "pentylglycine"
                                                                                                                                                                                                                                           Location/Qualifiers
AAW47563 standard; peptide; 18 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 17; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                            /note= "amidated"
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                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA, Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1998-145351/13.
                                                                                                   Exendin agonist (14)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hyperglycaemia
                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                             Modified-site
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                                                                  03-JUL-1998
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                                                                                                                                                                                                                   Synthetic.
                                   AAW47563;
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AAW47563 Length: 18 February 4, 2005 13:04 Type: P Check: 3411 Found using 'seq3' (mohamed337.key)
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|-----| HGEFTSDLXFIEWPPPPS 1

from: 1 match found in sequence:
aaw47564; Exendin agonist (15).
(from "seq3ags.pep")
TOIG of: aaw47564 check: 3190

AAW47564 standard; peptide; 18 AA

to: 18

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphinoter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US$424286) for treatment of diabetes and prevention of
                                                                                           Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                         'note= "pentylglycine"
                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                          /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 18; Fig 8; 70pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gedulin B,
                                                                   Exendin agonist (15).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1998-145351/13.
                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                08-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                                                                                                           Synthetic.
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2005 13:04 Type: P Check: 3190 AAW47564 Length: 18 February 4, Found using 'seq3' (mohamed337.key)

Sequence 18 AA; hyperglycaemia

HGEFTSDLXFIEFPPPPS 1

to: 18 check: 3492 from: 1 1 match found in sequence:
aaw47565 ; Exendin agonist (16).
(from "seq3ags.pep")
TOIG of: aaw47565 check: 3492

AAW47565 standard; peptide; 18 AA AAW47565;

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation,
                                          Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Regulating gastrointestinal motility using exendins or their agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW47566 Length: 18 February 4, 2005 13:04 Type: P
Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prickett KS;
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                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW47567 standard; peptide; 18 AA
                                                                                                                                                                                                                                                      /note= "amidated"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aaw47567 ; Exendin agonist (18)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gedulin B,
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HGEFTSDLMFVEWPPPPS
18
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  Exendin agonist (17).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1998-145351/13.
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                                                                                                               Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (from "seq3ags.pep"
TOIG of: aaw47567
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                                                                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                                                                                                                                                                                      08-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                      08-AUG-1996;
                                                                                                                                                                                                                                                                                                 WO9805351-A1
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                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW47567;
  2X2X5X8X5X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                     Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beeley NRA, Prickett KS;
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                                                                                                                                                                                                                                                                                                                                              /note= "amidated"
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aaw47566; Exendin agonist (17).
(from "seq3ags.pep")
TOIG of: aaw47566 check: 3455
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(first entry)
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                                             Exendin agonist (16)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1998-145351/13.
                                                                                                                                                          Gila monster venom.
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Modified-site
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  03-JUL-1998
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Check: 3455

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Key
The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US54224286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                              Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW47567 Length: 18 February 4, 2005 13:04 Type: P Check: 3225 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                     Gedulin B, Beeley NRA, Prickett KS;
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                                                                           /note= "amidated"
                                                                                                                                                                                                                                                                                             Example 21; Fig 8; 70pp; English.
                                                                                                                                           97WO-US014199
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HGEFTSDLLFVEFPPPPS
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Gila monster venom.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          hyperglycaemia
                                                         Key
Modified-site
                                                                                                                                                                08-AUG-1996;
                                                                                                                                           08-AUG-1997;
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                                  Synthetic
                                                                                                                                                                                                          Young AA,
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticultity or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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                                                                   'note= "tert-butylglycine"
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    aaw47569 ; Exendin agonist (20).
    (from "seq3ags.pep")
    TOIG of: aaw47569 check: 3247 from: 1
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Location/Qualifiers
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                                                                                                                                       /note= "amidated"
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HGEFTSDIMFXEWPPPPS
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          Key
Modified-site
                                                                                                           Modified-site
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08-AUG-1997;
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             WO9805351-A1
                                 12-FEB-1998.
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 The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi); postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist, gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                   Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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                                                                                                                                                                          Prickett KS;
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             "tert-butylglycine"
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                                 /note= "amidated
                                                                                                                          96US-00694954
                                                                                                      97WO-US014199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
    aaw47570; Exendin agonist (21).
    (from "seq3ags.pep")
    TOIG of: aaw47570 check: 3300
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/note= "
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Modified-site
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                                                                                                     08-AUG-1997;
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with trype 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US$42868) for treatment of diabetes and prevention of
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                                                                                                                                                                                                                                                                                                                                                          Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                           Prickett KS;
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97WO-US014199.
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    amw47571 ; Exendin agonist (22).
    (Erom "seq3ags.pep")
    TOIG of: aaw47571 check: 3070
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                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                           Young AA, Gedulin B,
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                                                                                                                                                                                                                                                                                                WPI; 1998-145351/13.
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist than the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist, gastric motility, gastric emptying, treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                             Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       18 February 4, 2005 13:04 Type: P Check: 3070 (mohamed337.key)
                                                                                              Prickett KS
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                                                                                              Beeley NRA,
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               97WO-US014199
                                          96US-00694954
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TOIG of: aaw47572 check: 3808
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                                                                   (AMYL-) AMYLIN PHARM INC
                                                                                               Gedulin B,
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                                                                                                                       WPI; 1998-145351/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gila monster venom.
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Found using 'seq3' (mo
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                                                                                                                                                                                                                                                                                                                                                                                                           hyperglycaemia
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                08-AUG-1997;
                                          08-AUG-1996;
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                                                                                                Young AA,
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stoomach contents passing into the intestines, then the stoomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation.
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                                                                                                                                                                                                                                                                                                                                                                                                Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
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                                                                                                                                                                                                                                                                            Beeley NRA, Prickett KS
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                                                                    97WO-US014199.
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TOIG of: aaw47573 check: 3696
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Gila monster venom.
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12-FEB-1998.
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'note= "thioproline"

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aaw47575 ; Exendin agonist (26)
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                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
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 The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                  Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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                                                                                                                                                     Beeley NRA, Prickett KS,
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18
/note= "amidated"
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                                                                                97WO-US014199
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TOIG of: aaw47574 check: 3312
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                                                                                                                                                       Young AA,
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US$4284286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist, gastric motility, gastric emptying, treatment, spasm, postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes, impaired glucose tolerance; toxin ingestion; obesity; gila monster venom.
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TOIG of: aaw47575 check: 3312 from: 1
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'note= "thioproline" /note= "thioproline" 'note= "thioproline" note= "thioproline"

/note= "amidated"

97WO-US014199. 96US-00694954

08-AUG-1997; 08-AUG-1996;

WO9805351-A1 12-FEB-1998.

Location/Qualifiers

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or aphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.

Example 30; Fig 8; 70pp; English.

Beeley NRA, Prickett KS;

Gedulin B,

Young AA,

WPI; 1998-145351/13.

(AMYL-) AMYLIN PHARM INC.

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of oddi), postprandial dumping syndrome and diabetes, impaired (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to components of Gila monster venom, have Gome sequence similarity to suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; gastric motility; gastric emptying; treatment; spasm;
postprandial dumping syndrome; postprandial hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAW47576 Length: 18 February 4, 2005 13:04 Type: P Check: 3578 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         check: 3082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
aaw47577; Exendin agonist (28)
[from "seq3ags.pep"]
TOIG of: aaw47577 check: 3082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist (28).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW47577;
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AAW47575 Length: 18 February 4, 2005 13:04 Type: P Check: 3312 Found using 'seq3' (mohamed337.key)

|-----| HGEFTSDLMFIEWPPPPS 1

to: 18

1 match found in sequence:
awa47576; Exendin agonist (27).
(grom 'seq3ags.pep")
TOIG Of: awa47576 check: 3578 from: 1

AAW47576 standard; peptide; 18 AA

03-JUL-1998 (first entry)

AAW47576;

Exendin agonist (27)

Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.

Synthetic.

Exendin agonist (29).

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW47577 Length: 18 February 4, 2005 13:04 Type: P Check: 3082 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                          Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 18
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                                                                            cocation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18 AA
                                                                                                                                                                                                                                      note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 31; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                                                97WO-US014199
                                                                                                                                                                                                                                                                                                                                                                 96US-00694954
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                                                                                                                                                                                                     label= Hyp
                                                                                                        label= Hyp
                                                                                                                                         label= Hyp
                                                                                                                                                                        label= Hyp
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aaw47578 ; Exendin agonist (29).
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                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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HGEFTSDLLFIEFPPPPS
18
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TOIG of: aaw47578 o
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hyperglycaemia
                                                                                         Modified-site
                                                                                                                          Modified-site
                                                                                                                                                        Modified-site
                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                    Modified-site
                                                                                                                                                                                                                                                                                                                                  08-AUG-1997;
                                                                                                                                                                                                                                                                     WO9805351-A1
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                                                                                                                                                                                                                                                                                                  12-FEB-1998
                                             Synthetic
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uxxxex
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motifity and delays gastric emptying. It can be used to treat spasm where associated with acute diverticultis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US$424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                            Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type I diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               present sequence is an exendin agonist, which reduces gastric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Check: 2382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAW47578 Length: 18 February 4, 2005 13:04 Type: P
Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prickett KS
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                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA, Gedulin B, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW47579 standard; peptide; 18 AA.
                                                                                                                                                                                                                                                                                                                             /note= "amidated"
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                                                                                                                                                                                                                                                                                           label= MeAla
                                                                                                                                                                                       label= MeAla
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                                                                                                                                                                                                                                                         label= MeAla
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aaw47579; Exendin agonist (30).
(from "seq3ags.pep")
TOIG of: aaw47579 check: 2592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
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18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hyperglycaemia
                                                                                                                                                                     Modified-site
                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                         Modified-site
                                                                                                                                                                                                                                                                           Modified-site
                                                                                                                                                                                                                                                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                  08-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                12-FEB-1998.
                                                                                                                      Synthetic.
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Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.

Location/Qualifiers

Key Modified-site

Synthetic

Modified-site Modified-site Modified-site

Modified-site

label= MeAla label= MeAla label= MeAla /note= "amidated"

97WO-US014199 96US-00694954

08-AUG-1997; 08-AUG-1996;

WO9805351-A1

12-FEB-1998.

label= MeAla

AAW47580 standard; peptide; 18 AA.

(first entry)

03-JUL-1998

AAW47580;

Exendin agonist (31)

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities of disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obseity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                       Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW47579 Length: 18 February 4, 2005 13:04 Type: P Check: 2592 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prickett KS;
                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 33; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                                                           /note= "amidated"
                                                                                                                                                                                                                                             label= MeAla
                                                                                                                                                                                                                                                                             'label= MeAla
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                                03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1998-145351/13.
                                                             Exendin agonist (30)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 18 AA;
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                                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                            08-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                            WO9805351-A1
                                                                                                                                                                                                                                                                                                                                                                                                              12-FEB-1998
                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               foung AA,
AAW47579;
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulties or disorders of the biliary tract or aphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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HGEFTSDLLFIEFAAAAS
18
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1 match found in sequence:

to: 18

check: 2152 from: 1

. match found in sequence: aaw47580; Exendin agonist (31). (from "seq3ags.pep") TOIG of: aaw47580 check: 2152

HGEFTSDLMFIEWPAAAS

Prickett KS;

Beeley NRA,

Gedulin B,

Young AA,

WPI; 1998-145351/13.

(AMYL-) AMYLIN PHARM INC.

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diagnostic; gastro-intestinal; radiological
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                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 AA;
                                          Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                 Found using 'seg3'
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Modified-site
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                                                                                                                                                 08-AUG-1997;
                                                                                                                           06-AUG-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO9907404-A1
                                                                                   WO9907404-A1
                                                                                                       18-FEB-1999.
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                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY03723;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match
  lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed spatric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                       New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY03721 Length: 18 February 4, 2005 13:04 Type: P Check: 3082 Found using 'seq3' (mohamed337.key)
                                                                                                                           Exendin; agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; diabetes; disorder; plasma glucose; gastric;
                      to: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to: 18
                                                                                                                                                                                                  /note= "C-terminal amide"
                     from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 3303 from: 1
                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                           Claim 17; Fig 1A-B; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY03722 standard; peptide; 18 AA
aay03721 ; Exendin agonist compound 1. (from "seq3ags.pep")
TOIG of: aay03721 check: 3082 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aay03722; Exendin agonist compound 2.
(from "seq3ags.pep")
TOIG of: aay03722 check: 3303 from:
                                                                                                                                                                                                                                                                 98WO-US016387
                                                                                                                                                                                                                                                                                     97US-0055404P
                                         AAY03721 standard; peptide;
                                                                                                      Exendin agonist compound 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist compound 2
                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                              Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
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1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 18 AA;
                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                     08-AUG-1997;
                                                                                                                                                                                                                       WO9907404-A1
                                                                                                                                                                                                                                                                 06-AUG-1998;
                                                                                   08-JUN-1999
                                                                                                                                                                                                                                            18-FEB-1999
                                                                                                                                                          Synthetic
                                                              AAY03721
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                                           2X2X2X2X
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY03722 Length: 18 February 4, 2005 13:04 Type: P Check: 3303 ound using 'seq3' (mohamed337.key)
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                                                                                          /note= "C-terminal amide"
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Location/Qualifiers
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(from "seq3ags.pep")
TOIG of: aay03723 check: 3091 from:
                                                                                                                                                                                                                                                                                                                98WO-US016387
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic and in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                       New exendin agonists - useful in the treatment of Type I and II diabetes.
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/note= "C-terminal amide"
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TOIG of: aay03724 check: 3329 from: 1
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                                                                                                                                                     Claim 17; Fig 1A-B; 70pp; English.
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           97US-0055404P
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                                                                   Prickett KS,
                                        AMYL-) AMYLIN PHARM INC
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Modified-site
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           08-AUG-1997;
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                                                                   Beeley
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic ald in gastro-intestinal. radiological examinations. Sequences AAY03721-51 represent specifically claimed examinations squences AAY03721-51 represent specifically see AAY03720 for exendin generic peptide formula and description).
The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                                                                                                                        AAY03724 Length: 18 February 4, 2005 13:04 Type: P Check: 3329 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
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                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aay03725; Exendin agonist compound 5.
(from "eq93ags.pep")
TOIG of: aay03725 check: 3420 from:
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                                                                                                                                                                                             Sequence 18 AA;
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Modified-site
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AAY03725 Length: 18 February 4, 2005 13:04 Type: P Check: 3420

seq3_ags.res

(first entry)

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New exendin agonists - useful in the treatment of Type I and II diabetes.
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                                                                                 Exendin agonist compound 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beeley NRA, Prickett
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Modified-site
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                                                                                                                                                                  Synthetic.
                 AAY03727;
 The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New exendin agonists - useful in the treatment of Type I and II diabetes.
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                                                                                                                               aay03726 ; Exendin agonist compound 6.
(from "seq3ags.pep")
TOIG of: aay03726 check: 3309 from:
                                                                                                                                                                                                   AAY03726 standard; peptide; 18 AA
Found using 'seq3' (mohamed337.key)
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Found using 'seg3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                   Exendin agonist compound 6
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                                               HGEFTSDLMFIEWPPPP
                                                                                                               1 match found in sequence:
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Modified-site
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"C-terminal amide"

/note=

98WO-US016387 97US-0055404P.

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'note= "naphthylalanine" Location/Qualifiers

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                  Check: 3384
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                                                                                                                                                                                                                                                    Sequence 18 AA;
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TOIG of: aay03728
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to: 18

from: 1

AAY03727 standard; peptide; 18 AA

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1 match found in sequence:
aay03727; Exendin agonist compound 7.
[firom "seq3ags.pep")
TOIG of: aay03727 check: 3384 from:

HGDFTSDLMFIEWPPPPS 1

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic and in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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                                                                                                                  New exendin agonists - useful in the treatment of Type I and II diabetes.
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                                                                                                                                                           Claim 17; Fig 1A-B; 70pp; English.
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aay03730 ; Exendin agonist compound 10.
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(AMYL-) AMYLIN PHARM INC.
                                     Beeley NRA, Prickett KS;
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TOIG of: aay03730
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Modified-site
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed sastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                  New exendin agonists - useful in the treatment of Type I and II diabetes.
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18
/note= "C-terminal amide"
                                                            /note= "C-terminal amide"
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      Location/Qualifiers
18
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aay03729; Exendin agonist compound 9.
{from "seq3ags.pep")
TOIG of: aay03729 check: 3313 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                       Prickett KS;
                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC
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HGEFSSDLMFIEWPPPPS
18
                                                                                                                                                                                                                                                                                                                                        WPI; 1999-180403/15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 AA;
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                        Key
Modified-site
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Modified-site
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                                                                                                   WO9907404-A1
                                                                                                                                                                                                                                                                                                       Beeley NRA,
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                                                                                                                                           18-FEB-1999
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to: 18

from: 1

888888888

HGEFTSELMFIEWPPPPS

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L match found in sequence:
aay03732 , Exendin agonist compound 12.
[from "seq3ags.pep"]

TOIG of: aay03732 check: 3408 from:
                                                                                                                                                                         AAY03732 standard, peptide, 18 AA
                                                                                                                                                                                                                                                   08-JUN-1999 (first entry)
                                                                                                                                                                                                                 AAY03732;
                                                                                                                                                                           (Also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetees, discorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAVO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAVO3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New exendin agonists - useful in the treatment of Type I and II diabetes.
lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Alsee AAV3720 for exendin generic peptide formula and description)
                                                                                                                                                                         AAY03730 Length: 18 February 4, 2005 13:04 Type: P Check: 3318 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin, agonist, diabetes, disorder, plasma glucose, gastric, diagnostic, gastro-intestinal; radiological.
                                                                                                                                                                                                                                                                                                                                                                                         to: 18
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/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                       aay03731; Exendin agonist compound 11. (from "seq3ags.pep")
TOIG of: aay03731 check: 3319 from:
                                                                                                                                                                                                                                                                                                                                                                                                                             AAY03731 standard; peptide; 18 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 17; Fig 1A-B; 70pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist compound 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prickett KS;
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                                                                                                                                                                                                                                                                                                                               match found in sequence:
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                                                                                                                                     Sequence 18 AA;
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAYO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAYO3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New exendin agonists - useful in the treatment of Type I and II diabetes.
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                                                        Exendin, agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
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to:
                                                                                                                                                                                                                                                                  /note= "pentylglycine"
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aay03733 ; Exendin agonist compound 13.
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Exendin agonist compound 12
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TOIG of: aay03733
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Modified-site
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AAY03731 Length: 18 February 4, 2005 13:04 Type: P Check: 3319 Found using 'seg3' (mohamed337.key)

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAX03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAX03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                         New exendin agonists - useful in the treatment of Type I and II diabetes.
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                                                                          "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "pentylglycine"
                                       "pentylglycine"
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                               Claim 17; Fig 1A-B; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                match found in sequence:
aay03735 ; Exendin agonist compound 15.
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                                                                                                                                                                                                                                                                                                     Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
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TOIG of: aay03735
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 Key
Modified-site
                                                      Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY03733 Length: 18 February 4, 2005 13:04 Type: P Check: 3178 Found using 'seq3' (mohamed337.key)
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diagnostic; gastro-intestinal; radiological.
                                                                                                               Exendin; agonist; diabetes; disorder; plasma glucose; gastric;
diagnostic; gastro-intestinal; radiological.
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/note= "C-terminal amide"
                                                                                                                                                                                                                                                note= "pentylglycine"
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                                                                                                                                                                                                         Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
ay03734; Exendin agonist compound 14.
(from "seag3ags.pep")
TOIG of: aay03734 check: 3411 from:
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                                                                            Exendin agonist compound 13
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                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prickett KS;
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Modified-site
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                                       08-JUN-1999
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 AAY03733;
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Claim 17; Fig 1D-E; 70pp; English.
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 The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetees, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAVO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAVO3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                    New exendin agonists - useful in the treatment of Type I and II diabetes
                                                                                                                                                                                                                                           AAY03735 Length: 18 February 4, 2005 13:04 Type: P Check: 3190 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
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/note= "C-terminal amide"
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                                                                                                       Claim 17; Fig 1D-E; 70pp; English.
                                                                                                                                                                                                                                                                                                                                   compound 16.
                                                                                                                                                                                                                                                                                                                                                                        AAY03736 standard; peptide; 18 AA
         97US-0055404P
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                           (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                        match found in sequence:
aay03736; Exendin agonist
(from "seq3ags.pep")
TOIG of: aay03736 check:
                                             Prickett
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                                                                 WPI; 1999-180403/15
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         08-AUG-1997;
                                              Beeley NRA,
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAVO371-51 represent specifically elamed examples of the exendin agonist compounds of the invention. (Also see AAVO3720 for exendin generic peptide formula and description)
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aay0377; Exendin agonist compound 17.
[Erom seq3ags.pep"]
TOIG of: aay03737 check: 3455 from:
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Modified-site
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AAY03739 standard; peptide; 18 AA.

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetees, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
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   Check: 3455
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Found using 'seq3' (mohamed337.key)
AAY03737 Length: 18 February 4, 2005 13:04 Type: P Found using 'seq3' (mohamed337.key)
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/note= "C-terminal amide"
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aay03739; Exendin agonist compound 19.
(from "seq3ags.pep)
TOIG of: aay03739 check: 3477 from: 1
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                                                                                                                                             aay03738 ; Exendin agonist compound 18.
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TOIG of: aay03738
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed sastric emptying is a useful diagnostic ald in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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diagnostic, gastro-intestinal, radiological.
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aay03740 ; Exendin agonist compound 20.
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                                                                                      Exendin agonist compound 19
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TOIG of: aay03740
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Synthetic

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                        New exendin agonists - useful in the treatment of Type I and II diabetes.
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aay03742; Exemedin agonist compound 22.
(from "eaq3ags.pep")
TOIG of: aay03742 check: 3091 from:
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98WO-US016387
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06-AUG-1998;
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAVO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAVO3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                     New exendin agonists - useful in the treatment of Type I and II diabetes
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                                                                                       note= "tert-butylglycine"
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/note= "C-terminal amide"
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aay03741 ; Exendin agonist
(from "seq3ags.pep")
TOIG of: aay03741 check:
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Synthetic

AAY03741;

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetees, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
X00000000000X8
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Sequence 18 AA;

P Check: 3091 AAY03742 Length: 18 February 4, 2005 13:04 Type: Found using '8eg3' (mohamed337.key)

HGEFTSDLMFIEFPPPPŠ 1

to: 18 from: 1 aay03743 ; Exendin agonist compound 23.
(from "seq3ags.pep")
TOIG of: aay03743 check: 3808 from: match found in sequence:

AAY03743 standard; peptide; 18 AA

AAY03743

(first entry) 08-JUN-1999 Exendin agonist compound 23

Exendin, agonist, diabetes, disorder, plasma glucose, gastric; diagnostic, gastro-intestinal, radiological.

Synthetic

/note= "C-terminal amide" 14. .17 // note= "thio proline" 18 Location/Qualifiers Key Modified-site Modified-Bite

WO9907404-A1

98WO-US016387 06-AUG-1998; 18-FEB-1999

08-AUG-1997;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Beeley NRA,

WPI; 1999-180403/15.

New exendin agonists - useful in the treatment of Type I and II diabetes. Claim 17; Fig 1D-E; 70pp; English

The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAVO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAVO3720 for exendin generic peptide formula and description)

Sequence 18 AA;

g

Type: P Check: 3808 AAY03743 Length: 18 February 4, 2005 13:04 Found using 'seq3' (mohamed337.key)

HGEFTSDLMFIEWXXXXS 1

aay03744 ; Exendin agonist compound 24 match found in sequence:

to: 18 (from "seq3ags.pep") TOIG of: aay03744 check: 3696 from: 1

AAY03744 standard; peptide; 18 AA

AAY03744;

08-JUN-1999 (first entry)

Exendin agonist compound 24.

Exendin, agonist, diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.

Synthetic.

/note= "C-terminal amide" 15. .17 /note= "thio proline" Location/Qualifiers Key Modified-site Modified-site

WO9907404-A1

18-FEB-1999.

98WO-US016387. 06-AUG-1998; 97US-0055404P 38-AUG-1997;

(AMYL-) AMYLIN PHARM INC.

Beeley NRA, Prickett KS;

WPI; 1999-180403/15.

Claim 17; Fig 1D-E; 70pp; English.

New exendin agonists - useful in the treatment of Type I and II diabetes.

The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and III diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic ald in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agents compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)

Sequence 18 AA;

AAY03744 Length: 18 February 4, 2005 13:04 Type: P Check: 3696 Found using 'seq3' (mohamed337.key)

|-----HGEFTSDLMFIEWPXXXS

1 match found in sequence:

AAY03745

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefitted by agents which lower plasma glucose levels, and disorders which would be benefitted by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAVO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAVO3720 for exendin generic peptide formula and description)
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                         Exendin, agonist, diabetes, disorder, plasma glucose, gastric, diagnostic, gastro-intestinal, radiological.
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                                                                                                                                                                                                                     15. .17
/note= "homo proline"
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/note= "thio proline"
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aay03747 ; Exendin agonist compound 27.
(from "seq3ags.pep")
TOIG of: aay03747 check: 3578 from:
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   The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetee, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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Found using 'seg3' (mohamed337.key)
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/note= "homo proline"
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   aay03746 ; Exendin agonist compound 26.
   (from "seq3ags.pep")
   TOIG of: aay03746 check: 3696 from: 1
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aay03745 ; Exendin agonist compound 25.
                                                                                                                       AAY03745 standard, peptide; 18 AA
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                                (from "seq3ags.pep"
TOIG of: aay03745
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AAY03746;

8×4×4×8

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Beeley NRA, Prickett KS;
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                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
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 The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description).
                                                                                                                                           New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                                                                                                                                                                                             AAY03747 Length: 18 February 4, 2005 13:04 Type: P Check: 3578 Found using 'seq3' (mohamed337.key)
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/note= "homo proline"
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aay03748; Exendin agonist compound 28.
(from "seq3ags.pep")
TOIG of: aay03748 check: 3578 from:
                                                                                                                                                                Claim 17; Fig 1D-E; 70pp; English.
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                                                                                                        Prickett KS;
                                                                                      (AMYL-) AMYLIN PHARM INC
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                                                   06-AUG-1998;
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which
                                                                                                                                                                                  The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic and in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
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                                                     New exendin agonists - useful in the treatment of Type I and II diabetes.
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'note= "methylalanine"
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(from "seq3ags.pep")
TOIG of: aay03749 check: 2382 from:
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                                                                                                                                    Claim 17; Fig 1D-E; 70pp; English
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WPI; 1999-180403/15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
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agents useful in delaying and/or slowing gastric emptying. Delayed sastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II disbetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAYO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAYO3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 treatment of Type I and II diabetes.
lower plasma glucose levels, and disorders which would be benefited by
                                                                                                                                                      AAY03749 Length: 18 February 4, 2005 13:04 Type: P Check: 2382 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, diabetes, disorder; plasma glucose, gastric, diagnostic, gastro-intestinal; radiological.
                                                                                                                                                                                                                                                                                                                                                  to: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'note= "methylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New exendin agonists - useful in the
                                                                                                                                                                                                                                                                                                                                (from "seg3ags.pep")
TOIG of: aay03750 check: 2592 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                               aay03750 ; Exendin agonist compound 30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 17; Fig 1D-E; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                    AAY03750 standard; peptide; 18 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98WO-US016387
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist compound 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                       HGEFTSDLMFIEWAAAAS
1
                                                                                                                                                                                                                                                                                             match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-JUN-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetee, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length: 18 February 4, 2005 13:04 Type: P Check: 2152 ; 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                  Exendin, agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New exendin agonists - useful in the treatment of Type I
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                                                                                                               to: 18
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/note= "methylalanine"
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                                                                                                                 from: 1
                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                  aay03751 ; Exendin agonist compound 31.
(from "seq3ags.pep")
TOIG of: aay03751 check: 2152 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 17; Fig 1D-E; 70pp; English.
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                                                                                                                                               AAY03751 standard, peptide; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           98WO-US016387
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                                                                                                                                                                                                                                      Exendin agonist compound 31
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1
|-----HGEFTSDLMFIEWPAAAS
                                                                     found in sequence:
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                                                                                                                                                                                                                                                                                                               Synthetic.
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                                                                     match
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00:00:00

AAY03750 Length: 18 February 4, 2005 13:04 Type: P Check: 2592 Found using 'seq3' (mohamed337.key)

seq3_ags.res

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> 0 < 0 | 0 IntelliGenetics > 0 <
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-- Outline of search "seq3_pir"

Quest - Quick User-directed Expression Search Tool Release 5.4

Selected search type is key against sequence data banks or files. Selected scope is Sequence. Selected sequence key from "mohamed337.key": seq3 (AA) ID seq3 AA preliminary pattern h or r or y
s or g or a or t
d or e
any character
t or s
t or s
d or e any character character s or t or y d or e any

Selected files:

File : seq3pir.pep

-- Output Parameters

Format Options:		File Options:	
leic acid code matching	Exact	Indirect file	8
d non-matching hits only	N N	Sequence or key file	o N
ort key used	Yes	List of hits	Yes
e position of hit	Yes	Hit display	Yes
play full annotations	Yes	Name and annotations	Yes
uence context	20		

Run Parameters --

Time to start comparison Notify at end of run Run mode Time to

1 match found in sequence:
aho476; TOIG of: ah0476 check: 8 from: 1 to: 466
(from seq3pir.pep")
TOIG of: ah0476 check: 8 from: 1 to: 466

P1;AH0476 - NAD(P) transhydrogenase (B-specific) (EC 1.6.1.1) [imported]

Yersinia peris (strain CO22)
Cispecies: Yersinia peris
Cispecies: Yersinia peris
Cispecies: Versinia peris
Cispecies: Versinia peris
Cispecies: Oz-Nov-2001 #sequence_revision 02-Nov-2001 #text_change 09-Jul-2004
Cispacesion: AH0476
R;Parkhill, J; Wren, B.W.; Thomson, N.R.; Titball, R.W.; Holden, M.T.G.;
Prentice, M.B.; Sebaihia, M.; Thomson, K.D.; Churcher, C.; Mungall, K.L.; Baker, S.; Basham, D.; Bentley, S.D.; Brooks, K.; Cerdeno-Tarraga, A.M.;
Chillingworth, T.; Cronin, A.; Davies, R.M.; Davis, P.; Dougan, G.; Feltwell, T.; Hamlin, N.; Holroyd, S.; Jagels, K.; Leather, S.; Karlyshev, A.V.; Moule, S.; Oyston, P.C.F.; Quail, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; Whitehead, S.; Barrell, B.G.

Nature 413, 523-527, 2001

C; Superfamily: dihydrolipoamide dehydrogenase; dihydrolipoamide dehydrogenase A,Title: Genome sequence of Yersinia pestis, the causative agent of plague. A,Reference number: AB0001; MUID:21470413; PMID:11586360 Check: 8 A;Status: preliminary
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-466 < KUR>
A;Cross-references: UNIRROT: Q8ZA97; GB:AL590842; PIDN:CAC93380.1;
PID:g15981826; GSPDB:GN00175 C; Keywords: oxidoreductase A; Accession: AH0476 A;Gene: BthA homology

AH0476 Length: 466 February 4, 2005 13:17 Type: P Found using 'eeq3' (mohamed337.key)

IKSSFADILNHADRVINQQTRMRQGFYDRNHCHMFSGDASFIDANTVNVRYADGTSDTLQ ADNIVIATGSRPYRPVNVDFNHERIYDSDTILQLSHEPQHVIIYGAGVIGCEYASIFR 79

. match found in sequence: c96601, 7 TOIG of: c96601 check: 9036 from: 1 to: 309 (from "seq3pir.pep") TOIG of: c96601 check: 9036 from: 1 to: 309

P1;C96601 - hypothetical protein T6H22.19 [imported] - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C;Accession: C96601
R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, J.; Aloch, R.; Bowman, C.L.; Brooks, S.Y.; Buehler, E.; Chan, A.B.; Chao, Q.; Chen, H.; Cheuk, R.F.; Chin, C.W.; Chun, W.; Etgu, P.; Conway, A.B.; Hujzar, L.
Nature 408, B16-820, 2000
A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, B.; Kim, C.J.; Koo, H.L.; Kremenetskala, I.; Kurtz, D.B.; Kwan, A.; Law, B.; Langin-Hooper, S.; Lee, A.; Lee, J.M.; Lenz, C.A.; Li, J.H.; Li, Y.; Liu, X.; Liu, Z.A.; Lucs, J.S.; Maiti, R.; Marziali, A.; Militscher, J.; Miranda, M.; Nguyen, M.; Norman, W.C.; Osborne, B.I.; Pai, G.; Peterson, J.; Pham, P.K.; Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.; Yu, G.; Peterson, J.; Pham, P.K.; Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.; Yu, G.; Parbunga, G.; Toriumi, M.J.; Town, C.D.; Utterback, T.; van Aken, S.; Vayberg, M.; Vysoteskala, V.S.; Walker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Vahler: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A;Reference number: A86141; MUID:21016719; PMID:11130712
A;Rocession: C96601
A;Rocession: C96601
A;Rocession: C96601
A;Rocession: C96601
A;Accession: C9601
A;Accession: C9601
A;Accession: C9601
A;Accession: C9601

A; Cross-references: UNIPROT: Q9SGS9; GB: AE005173; NID: g6056383; PIDN: AAF02847.1;

C96601 Length: 309 February 4, 2005 13:17 Type: P Check: 9036 Found using 'seq3' (mohamed337.key)

A, Map position: 1

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YGTGYRVPGDYDQDGYKMACEVKAETPDFGATKTRRAVKRPVPYDDYQKEYSESSDMTD 219
NPNPLFTGGSASATLTGLDSFC8SDQMVLRALLSQLTKIDGSLGPKESQSYGGGSBSELL
288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 T29492 Length: 358 February 4, 2005 13:17 Type: P Check: 4006 Found using 'seq3' (mohamed337.key)
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NDGSVDDSYFEPKSKKTKSAGLENFKPQTRARKYKLKADEEKAEPTYKLKRARNNDAV
                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPROT:Q18909; EMBL:U58727; PIDN:AAB00581.1; GSPDB:GN00028; CESP:D1005.3
A;Experimental source: strain Bristol N2; clone D1005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Total Elapsed 00:00:00:00
                                                                                                                               A;Accession: T29492
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-358 <WOH>
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00:00:00
                                                                                                                                                                                                                                                                                                                                                                                                                     C;Genetics:
A,Gene: CESP:D1005.3
A;Map;Position: X
A;Introns: 36/2; 90/3; 339/2
                                                       TDIGIPSTVWNC 305
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                238
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Number of sequences searched: Number of sequence hits: Number of separate matches: Number of sequence hits saved:

sequences searched: sequence hits: separate matches:

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Q84TE6; Q95E10; Q95G39; Created) 25-OCT-2004 (Rel. 45, Created) 25-OCT-2004 (Rel. 45, Last sequence update) 25-OCT-2004 (Rel. 45, Last annotation update) NAC-domain containing protein 21/22 (ANACO21) (ANACO22). NAC-domain containing protein 21/22 (ANACO21) (ANACO22). Name=NAC1; OrderedLocusNames=Atlg56010; ORFNames=F14J16.32, T6H22.19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Arabidopsis thaliana (Mouse-anissoniu) unrnames=r14016.32, T6H22.19; Bukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; endicotyledons; core endicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                    No
No
Yes
Yes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
na22arath ; NAC-domain containing protein 21/22 (ANAC021) (ANAC022).
(from "seq3uni.pep")
                                                                                         Selected search type is key against sequence data banks or files. Selected scope is Sequence. Selected sequence key from "mohamed337.key"; seq3 (AA) ID seq3 AA preliminary pattern
                                                                                                                                                                                                                                                                                                                                                                                                        File Options:
Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1 to: 324
                                     Quest - Quick User-directed Expression Search Tool
Release 5.4
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                                                                       -- Outline of search "seq3_uni"
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Yes
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Nucleic acid code matching
Find non-matching hits only
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Notify at end of run
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s or g or a or t
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any character
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Note position of hit
Display full annotations
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Wiser M.F., Plitt B., "Plasmodium and P. falciparum: similarities in "Plasmodium berghei, P. chabaudi, and P. falciparum: similarities in phosphoproteins and protein kinase activities and their stage specific
                                                                                                         Viruses; ssRNA positive-strand viruses, no DNA stage; Closteroviridae; Closterovirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=ANKA;
MEDLINE=80651308;
Wiser M.F., Schweiger H.G.;
Wickesolic protein Kinase activity associated with the maturation of the malaria parasite Plasmodium berghei.";
Mol. Biochem. Parasitel. 17:179-189(1985).
                                                                                                                                                                                                                                                                                                    MEDLINE=96406950; PubMed=8811037;
MEDLINE=96406950; Mawassi M., Mietkiewska E., Gofman R., Yang G., Bar-Joseph M.;
Mawassi M., Mietkiewska E., Gofman R., Yang G., Bar-Joseph M.;
Minnaul sequence relationships between two isolates of citrus
tristeza virus.";
J. Gen. Virol. 77:2359-2364(1996).
EMBL, 1056021, AAB38760.1;
Interpro, IPR04909; Vir Hsp90.
Pfam; PF03125; Viral Hsp90.
SEQUENCE 536 AA; 61296 MW; D887838B96E5F877 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NDFVELTGMPLKSLMTGVEDRKVPDELISVDPHEVGCRFTLNDVESYLISÄGEDSTDGTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12 Length: 536 February 4, 2005 13:17 Type: P Check: 6620 using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -----|
VEHTWCLSNSCGKLLSSTEIDAYKTMVFTKTFDSGVFGVTTKLETYLSYWISLYKKHC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=ANKA;
MEDLINE=95249497; PubMed=7731926;
Wiser M.F., Jennings G.J., Lockyer J.M., van Belkum A.,
van Doorn L.J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q08505;
1-NOV-1996 (TrEMBLrel. 01, Created)
01-OCT-2001 (TrEMBLrel. 18, Last sequence update)
01-OCT-2002 (TrEMBLrel. 22, Last annotation update)
Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     145 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         check: 9426 from: 1 to: 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exp. Parasitol. 64:328-335(1987)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
q08505, P23-like protein (Fragment).
(from "seq3uni.pep")
TOIG of: q08505 check: 9426 from:
   01-MAY-1997 (TrEMBLrel. 03, 01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        P23-like protein (Fragment)
Plasmodium berghei.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRELIMINARY;
                                                                                            Citrus tristeza virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            [2]
SEQUENCE FROM N.A.
STRAIN=ANKA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    [1]
SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=88055499;
                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=5821;
                                                                                                                                                                                     NCBI_TaxID=12162;
                                                                                                                                                                                                                                                                                 STRAIN=vt;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   P87592
Found us:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                     Authorition in encounted by the rock of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dimerization domain.
-!- PTM: Ubiquitinated (Probable). The interaction with SINATS mediate its proteasome-dependent degradation.
-!- SIMILARITY: Contains 1 NAC domain.
-!- CAUTION: Ref.2 (AAF02847) sequence differs from that shown due to erroneous gene model prediction.
         to promote lateral root development. Activates the expression of two downstream auxin-responsive genes, DBP and AIR3.
--- SUBUNIT: Dimer. Interacts with SINATS.
--- SUBCELLULAR LOCATION: Nuclear.
--- ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bipartite nuclear localization signal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   npnplftggsasatltgldsfcssdqwvlrallsqltkidgslgpkesqs<sup>y</sup>gegssesll
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Activator; Alternative splicing; DNA-binding; Nuclear protein;
Transcription regulation; Ubl conjugation.
DOMAIN 19 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (Potential).
Missing (in isoform 2).
/FTId=VSP_011189.
; C70ED705D1A06957 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          536 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL, AF198054; AAF21437.1; --
EMBL, AC002304; AAF7328.1; --
EMBL, AC00894; AAF02847.1; ALT_SEQ.
EMBL, AV06596; AAM62206.1; --
EMBL, BT005873; AAO64808.1; --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       324 AA; 36569 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IPR003441; NAM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROSITE; PS51005; NAC; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     171
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PIR; C96601; C96601.
TRANSFAC; T05392; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pfam; PF02365; NAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GeneFarm; 4063; -.
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(from "seq3uni.pep")
TOIG of: p87592 che
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p87592

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SERBERES
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Rhabditidae, Peloderinae, Caenorhabditis.
                                                                           "A Plasmodium homologue of cochaperone p23 and its differential expression during the replicative cycle of the malaria parasite."; Parasitol. Res. 90:166-170(2003).
EMBL; L21708; AAC14463.2; -. NON_TER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Genome sequence of the nematode C. elegans: a platform for investigating biology. The C. elegans Sequencing Consortium."; Science 282:2012-2018(1998).
                                                                                                                                                                                                                    MGGMGGMGD I DFSKLGNMGGDMSNLAGLGGMDQFKNMPNMNDDDSSSSYGDDSSDDD
                                                                                                                                                           Q08505 Length: 145 Pebruary 4, 2005 13:17 Type: P Check: 9426 ound using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
STRAIN=Bristol N2;
Wohldmann P., Hawkins J.;
"The sequence of C. elegans cosmid D1005.";
Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Wilson R.;
Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases
"Chaperonin-like repeats in a 34-kDa Plasmodium berghei
                                                                                                                                         SEQUENCE 145 AA; 14694 MW; 9C1B2959F72C616D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                  018909;
01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein D1005.3.
Name=D1005.3; ORFNames=D1005.3;
Caenorhabditis elegans.
                                                                                                                                                                                                                                                              ------|
EDDDTNKSDADHSHACNDAKCNIDKDGAIHNDDAKVQEPVA
                                                                                                                                                                                                                                                                                                                                                     to: 358
                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                   check: 4006 from: 1
                                                               MEDLINE=22641434; PubMed=12756555;
                                                                                                                                                                                                                                                                                                                  . match found in sequence:
q18909; Hypothetical protein D1005.3.
(from "seq3uni.pep")
TOIG of: q18909 check: 4006 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
STRAIN=Bristol N2;
MEDLINE=99069613; PubMed=9851916;
           phosphoprotein.";
Parasitol. Res. 81:167-169(1995).
                                                                                                                                                                                                                                                                                                                                                                         PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WormBase Consortium;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=Bristol N2;
WormBase Consortium;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  [3]
SEQUENCE FROM N.A.
STRAIN=Brigtol N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                           SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=Bristol N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=6239;
                                                      STRAIN=ANKA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Waterston R
                                                                         Wiser M.F.;
                                                                                                                                                                          Found using
105
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

STRAIN=IP 32953;

X Chain P.3.63.

Chain P.S.G., Carniel B., Larimer F.W., Lamerdin J., Stoutland P.O., A. Bubmed=1538858;

Regala W.M., Georgescu A.M., Vergez L.M., Land M.L., Motin L.V.,

Regala W.M., Georgescu A.M., Vergez L.M., Land M.L., Motin L.V.,

Brubaker R.R., Fowler J., Hinnebusch B.J., Marceau M., Medigue C.,

Simonet W., Chenal-Francisque V., Souza B., Dacheux D., Elliott J.M.,

Derbise A., Hauser L.J., Garcia E.,

Insights into the genome evolution of Yersinia pestis through whole reme comparison with Yersinia pseudotuberculosis...,

The proc. Natl. Acad. Sci. U.S.A. 101:13826-13831(2004).

L. COFACTOR: FAD (By similarity).

EMBL, BX35398 (AHI93611...).

EMBL, BX35398 (AHI93611...).

RICEPPO: IPRO00127; FAD pyr_redox.

InterPro: IPR001127; FAD pyr_redox.

InterPro: IPR001103; Pyr_redox.

InterPro: IPR001109; Pyr_redox.

InterPro: IPR001109; Pyr_redox.

InterPro: IPR001109; Pyr_redox.

Refam; PP00210; Pyr_redox. in.

Pramm: PP00210; Pyr_redox. dim.

Pramm: PP00210; Pyr_redox. dim.
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25-007-2004 (TrEMBLrel. 28, Last sequence update)
25-007-2004 (TrEMBLrel. 28, Last sequence update)
Soluble pyridine nucleotide transhydrogenase (EC 1.6.1.1).
Name-sthA; Synonyms-sth, udhA; ORFNames=YPTB0121;
Persinia pseudoruberulosis IP 32953.
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriais Gammaproteobacteria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 YGTGYRVPGDYDQDGYKMNCEVKAETPDFGATKTRRAVKRPVPYDDYQKEYSEESSDMTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         q66g61 ; Soluble pyridine nucleotide transhydrogenase (EC 1.6.1.1).
                                                                                                                                                                                                                                                                                                                                                                                                   Q18909 Length: 358 February 4, 2005 13:17 Type: P Check: 4006 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -----|
NDGSVDDSYFEPKSKKTKSAGLENFKPQTRARKYKLKADEEKAEPTYKLKRARNNDAV
Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; U58727; AAB00581.1; -.
PIR; T29492; T29492.
HSSP; P17676; 1104.
                                                                                                                                                            Intact; Q18909; ...
Normbase; WEGene00016997; D1005.3.
Wormbe; D1005.3; CE06999.
Hypothetical protein.
SEQUENCE 358 AA; 41724 MW; 927CC12C68AAD868 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      466 AA.
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PRINTS; PRO0419; ADXROTASE.
PRINTS; PRO0414; HGRDTASE.
PRINTS; PRO0411; PNDRDTASEI.
PRO069; PRO0409; PNDRDTASEII.
PRODOM; PD000139; FAD_DYT_redox; 1.
FAD; Flavoprotein; Oxidoreductase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    I match found in sequence:
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SEQUENCE

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Dujon B., Sherman D., Fischer G., Durrens P., Casaregola S.,
Dujon B., Sherman D., Fischer G., Neuveglise C., Talla E.,
Lafontaine I., de Montigny J., Marck C., Neuveglise C., Talla E.,
Barnay S., Blanchin S., Beckerich J.M., Babour A., Barbe V.,
Barnay S., Blanchin S., Beckerich J.M., Beyne E., Bleykasten C.,
A Boisrame A., Boyer J., Cattolico L., Confaniolari F., de Daruvar A.,
Boisrame A., Boyer J., Cattolico L., Confaniolari F., de Daruvar A.,
Antraye F., Hennequin C., Jauniauw N., Joyet P., Kachouri R.,
A Kerrest A., Koszul R., Lemaire M., Lesur I., Ma L., Muller H.,
Nicaud J.M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
A Swennene D., Tekaia F., Wesolowski-Louvel M., Westhof E., Wirth B.,
Zeniou-Meyer M., Zivanovic I., Bolotin-Fukuhara M., Thierry A.,
Bouchier C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J.,
Wincker P., Souciet J.L.;
I. Nature 430:35-44(2004).
25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Debaryomyces hansenii chromosome C of strain CBS767 of Debaryomyces
                                                                                                                                                                                                       ORFNames=DEHAOC11066g;
Debaryomyces hansenii CBS767.
Bukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; Saccharom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SHLGTSYRGEYFSAPLNYKQDAILSGVFEKNADLSNQFVRCYFIYKNNYHHAEVSTDETD
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GO; GO:0016491; F:oxidoreductase activity; IEA.
GO; GO:0006520; P:amino acid metabolism; IEA.
InterPro; IPR006095; GLFV dehydrog.
InterPro; IPR006095; GLFV dehydrog.C.
Pfam; PF002094; GLFV dehydrog.C.
PROSITE; PG0074; GLFV DEHYDROGENASE; 1.
SEQUENCE 1052 AA; II9267 MW; BODBA262333B83D0 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Genoscope;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-00T-2004 (TrEMBLrel. 28, Created)
25-00T-2004 (TrEMBLrel. 28, Last sequence update)
25-00T-2004 (TrEMBLrel. 28, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
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ORFNames=YALIOB23386g;
Varrowia lipolytica CLIB99.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 8363
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
    q6cdj8 ; Similarity.
    (from "seq3uni.pep")
    TOIG of: q6cdj8 check: "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=CBS767;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=CBS767;
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                  DDT THE SET OF THE SET
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MEDLINE=93298054; PubMed=8330827;
Eberle R., Zhang M., Black D.H.;
"Gene mapping and sequence analysis of the unique short region of the simian herpesvirus SA 8 genome.";
Arch. Virol. 130:391-411(1993).
                                                                                                                                                                                                                                                                                                                                    IKSSFADILNHADRVINQQTRWRQGFYDRNHCHMFSGDASFIDANTVNVRYADGTSDTLQ
129
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VGVFGAALGLAAAGLSVWACVTCRRARAWRAVKKRDPGTQTYIRLADDELYADLSSDGGW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Check: 9354
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EDSEDDDSDDDRLPGTDRPPKRGSGFQILSGTKADPWSPEARRGRDLVTFRVDDAARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADNIVIATGSRPYRPVNVDFNHERIYDSDTILQLSHEPQHVIIYGAGVIGCEYASIFR
                                                                                                               Type: P Check:
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Eberle R., Black D.H.;

Eberle R., Black D.H.;

Submitted (NOV-2011) to the EMBL/GenBank/DDBJ databases.

EMBL; AF4497141; AAA46180.1; -.

GO; GO:0016020; C:membrane; IEA.

InterPro; IPR003404; Herpes_glycopE.
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                       D6CD965D6CF3E2CE CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cercopithecine herpesvirus 2.
Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
Alphaherpesvirinae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q69371 Length: 540 February 4, 2005 13:17 Type: P
Found using 'seq3' (mohamed337.key)
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                                                                                                               2005 13:17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRT;
                                                                                                          Q66G61 Length: 466 February 4, Found using '8eq3' (mohamed337.key)
                       51382 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           q69371; GE glycoprotein.
(from "seq3uni.pep")
TOIG of: q69371 check: 9354
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                           466 AA;
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069371

139

79

Check: 7607

Type: P

176 AA

PRT;

PRELIMINARY;

QGBUJ8, QGBUJ8;

411

seq3_uni.res

Fri Feb

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Found
   222
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Lafontaine I., de Montigny J., Marck C., Neuveglise C., Talla B.,
Goffard N., Frangeul L., Aigle M., Anthouard V., Babour A., Barbe V.,
Barnay S., Blanchin S., Beckerich J.M., Beyne E., Bleykasten C.,
Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A.,
Boisrame A., Fabre E., Fairhead C., Ferry Dunazet H., Groppi A.,
Hantraye F., Hennequin C., Jauniaux N., Joyet P., Kachouri R.,
Kerrest A., Koszul R., Lemaire M., Lesur I., Ma L., Muller H.,
Nicaud J.M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
Pellorz S., Potier S., Richard G., Straub M.L., Suleau A.,
Swennene D., Tekaia P., Wesolowski-Louvel M., Westhof E., Wirth B.,
Zaniou-Meyer M., Zivanovic I., Bolotin-Fukuhara M., Thierry A.,
Bouchier C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J.,
Mincker P., Souciet J.L.;
T. "Genome evolution in yeasts.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dujon B., Sherman D., Fischer G., Durrens P., Casaregola S., Lafontaine I., de Montigny J., Marck C., Neuveglise C., Talla E., Goffard N., Frangeul L., Aigle M., Anthouard V., Babour A., Barbe V., Barnay S., Blanchin S., Beckerich J.M., Beyne E., Bleykasten C., Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
jecgv8 ; Yarrowia lipolytica chromosome A of strain CLIB99 of Yarrowia
 Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORFNames=YALIOA15708g;
Yarrowia lipolytica CLIB99.
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; Dipodascaceae; Yarrowia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ARVSHNAVKMASSRGIHFSSDGFIKMKDQKHILKVMNSPENQWSTDELLSHSDHSSDEIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q6CDJ8 Length: 176 February 4, 2005 13:17 Type: P Check: 8363 ound using 'seg3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Yarrowia lipolytica chromosome A of strain CLIB99 of Yarrowia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -----|
SETLQKVSKKLAPIFKSAALPMPDSDETMFSLIKTLRTQVNLVSHIHDIDVSGVAPLT
                                                                                                                                                                                                                                                                                                                                                                                            Genoscope;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; CR362128; CAG83517.1; -.
SEQUENCE 176 AA; 19683 MW; 8F12D9C224E2AE8F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   518 AA.
               Saccharomycetales; Dipodascaceae; Yarrowia,
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TOIG of: q6cgv8 check: 9969 from: 1 to: 518
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                                                                                                                                                                                                                                                                                                                                 Nature 430:35-44(2004).
                                                         SEQUENCE FROM N.A. STRAIN=CLIB99;
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                           NCBI_TaxID=284591;
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(from
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TISSUB-COCYTES;

WEDLINE=2238825; PubMed=12477932; DOI=10.1073/pnas.242603899;

Straubberg R.L., Feingold B.A., Groues L.H., Derge J.G.,

Riausberg R.L., Feingold B.A., Groues L.H., Derge J.G.,

Riausperg R.L., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A pitschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A nitschul S.F., Jendan H., Moore T., Max S.I., Wang J., Haltah F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Ubdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.A., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Robak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Maruny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Rahes J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Rakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,

Raywinski M.I., Skalska U., Schmutz J., Myers R.W., Butterfield Y.S.,

Raywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,

Jones S.J., Marra M.A.;
Despons L., Fabre B., Fairhead C., Ferry-Dumazet H., Groppi A., Hantraye F., Hennequin C., Jauniaux N., Joyet P., Kachouri R., Karrest A., Kosul R., Lemaire M., Lesur I., Ma L., Muller H., Nicaud J.M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O., Pellenz S., Potier S., Richard G.F., Straub M.L., Suleau A., Swennen D., Tekaia F., Wesolowski-Louvel M., Westhof E., Wirth B., Zeniou-Meyer M., Zivanovic I., Bolocin-Fukuhara M., Thierry A., Bouchier C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J., "Genome evolution in yeasts.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=bnipl-prov;
Ronopus laevis (African clawed frog).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VSDDDIPQAEERVSAAFTGGNYDEPEYVKTDPYVKKDPIFDEPPMDRDKRRTDMSSDDDS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Genoscope;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; CR382127; CAG84035.1; -.
SEQUENCE 518 AA; 58769 MW; C68FE0359CF3CCAC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN=CLIB99;
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1441
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'Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Okazaki N., Kikuno R., Ohara R., Inamoto S., Koseki H., Hiraoka S., Saga Y., Hagase T., Ohara O., Koga H.;
Saga Y., Hagase T., Ohara O., Koga H.;
Prediction of the Coding Sequences of Mouse Homologues of KIAA Gene:
III. The Complete Nucleotide Sequences of 500 Mouse KIAA-homologous cDNAs Identified by Screening of Terminal Sequences of cDNA Clones
Bandomly Sampled from Size-fractionated Libraries.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
                                                                             TISSUE=Oocytes;
MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
Richardson P.;
                                                                                                                                 Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                  EEFESSECSQSASTPTTIELCGNRHFKKRLSAPSISFNLENSGESIASSERAEQSTDDLD
                                                                                                                                                                                                                                                                                                                                        Q6DF91 Length: 308 February 4, 2005 13:17 Type: P Check: 160 Found using '8eq3' (mohamed337.key)
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FDIDDLETPNSSELLDCPEFEWDDDLPKAKGTESSVCSESRVTDMEDQNGRKWRIFLM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
Okazaki N., Kikuno R., Nagase T., Ohara O., Koga H.;
Okazaki N., Kikuno R., Nagase T., Ohara O., Koga H.;
Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AB1622813; BAD23961.1; -.
InterPro; IPR002715; NAC.
Pfam; PF01849; NAC; 1.
NON TER
SEQUENCE 1445 AA; 150775 WW, B3E8936408FAFF54 CRC64;
                                                                                                                                                                                            SEQUENCE FROM N.A.
TISSUE=Oocytes;
KIEin S., Gerhard D.S.;
Submitted (UL-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC076850; AAH76850.1; -.
InterPro; IPR001251; CRAL_TRIO_C.
SMART; SM00516; SEC14; II.0;
PROSITE; PS05191; CRAL_TRIO; 1.
SEQUENCE 308 AA; 35297 MW; 74F172191F87F0A6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05.JUL-2004 (TrEMBLrel. 27, Last sequence update)
05.JUL-2004 (TrEMBLrel. 27, Last annotation update)
MKIAA0363 protein (Fragment).
                    ind mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT; 1445 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1 to: 1445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QGIGF5;
05-JUL-2004 (TrEMBLrel. 27, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein (Fragment).
                                                                                                                                                                Dev. Dyn. 225:384-391(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 1672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
    q6i6f5 ; MKIAA0363 protei
    (from "seq3uni.pep")
    TOIG of: q6i6f5 check:
                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Name=mKIAA0363
                     and mouse
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Debbacks Lay 18527 DOI=10.1016/j.fgb.2003.12.003;
Pain A., Woodward J., Quail M.A., Anderson M.J., Clark R., Collins M. Poster N., Farser A., Harris D., Larke N., Wurphy L., Humphray S., Foster N., Perser A., Harris D., Larke N., Murphy L., Humphray S., Salzberg S., Saunders D., Seegar K., Sharp S., Warren T., Denning D.W., Barrell B., Hall N., Denning D.W., Barrell B., Hall N., Fungal can encompassing the nitrate assimilation gene cluster."; Fungal Gener Biol. 41:443-453 (2004).

EMBL, BK649605; CAE479011; -
InterPro; IPR015295; Surf4_rel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
Surfeit locus protein 4 homologue, putative.
ORFNames-AfA2B10.055c;
Aspergillus fumigatus (Sartorya fumigata).
Bukaryota; Fungi; Ascomycota; Pezizomycotina; Burotiomycetes;
Burotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
NCBI_TaxID=5085;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MAQIRGTAGYNLGHQNPFVGPGRADATSDPSPLDAIREQTSKIEDWLDTISDPVKPYLPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /8 Length: 312 February 4, 2005 13:17 Type: P Check: 5640 using 'seq3' (mohamed337.key)
Q616F5 Length: 1445 February 4, 2005 13:17 Type: P Check: 1672 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                    edsleedaqrapgsgqrweshgessseldeylapppdaqrtpgsgqrseshgessselge
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Odlspoksocpaogpagsneetiakakosrsekkarkamsklgirqiqgvtritiqks
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QGNIX1,
05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . match found in sequence:
qemyve ; Surfeit locus protein 4 homologue, putative.
(from "eqguni.pep")
TOIG of: qemyve check: 5640 from: 1 to: 312
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ProDom; PD010195; Surf4 rel; 1.
PROSITE; PS01339; SURF4; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
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seq3_uni.res

SEQUENCE FROM N.A.

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SASETIOUSAS
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                                                                                                                                                                                                                                SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SETAIN=Blotype gravis / NCTC 13129,

XX MEDLINE=22965443; PubMed=14602910; DOI=10.1093/nar/gkg874;

XX Cerdeno-Tarraga A.M.; Efstratiou A., Dover L.G., Holden M.T.G.,

XA Cerdeno-Tarraga A.M.; Bentley S.D., Beara G.S., Churcher C.M., James K.D.,

XA Hanlin N., Holroyd S.D., Beara G.S., Churcher C.M., James K.D.,

XA Hanlin N., Holroyd S., Jagels K., Moule S., Quail M.A.,

XA Habbinowitsch E., Rutherford K.M., Thomson N.R., Unwin L.,

XA Rabbinowitsch E., Rutherford K.M., Thomson N.R., Unwin L.,

XA Rabbinowitsch E., Barrell B.G., Parkhill J.;

XI "The complete genome sequence and analysis of Corynebacterium

Gliphtheriae NCTC13129.";

XI "The Complete genome sequence and analysis of Corynebacterium

GLIC CORPACTOR: FAD [BY similarity).

EMBL; BX248355; CAE49162.1; -

DR GO; GO:0016912; F:disulfide oxidoreductase activity; IEA.

GO; GO:0016812; F:metal ion binding; IEA.

GO; GO:0006118; P:electron transport; IEA.

GO; GO:0006118; P:electron transport; IEA.

GO; GO:0006118; P:electron transport; IEA.

BR InterPro; IPR001013; FAD pyr redox.

InterPro; IPR001013; PyrIdine_redox.

DR InterPro; IPR001019; PyrIdine_redox.

DR InterPro; IPR001019; PyrIdine_redox.

DR InterPro; IPR001019; Pyr redox dim.

Pfam; PF00070; Pyr_redox dim.

Pfam; PF00070; Pyr_redox dim.

Prams. PF02852; Pyr_redox dim.

Prams. PF02852; Pyr_redox dim.

Prams. Prograve Fannon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q6NIX1 Length: 490 February 4, 2005 13:17 Type: P Check: 4757 Found using 'seq3' (mohamed337.key)
                                                                                                          Bacreria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Corynebacteriaceae; Corynebacterium.
NCBI_TaxID=1717;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CDLVLIATGATPRILPDAQPDGERILTWRQIYGLTELPEHLIVVGSGVTGAEFVSAFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Diplomonadida; Hexamitidae; Giardiinae; Giardia.
NCBI_TaxID=184922;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRINTS; PRO0411; PNDRDTASEI.
PRINTS; PR00469; PNDRDTASEII.
PROD00139; PAD_PYT_redox; 1.
COMPLETE PROTEOME; FAD; FAD; FAVOPROTEIN; Oxidoreductase.
SEQUENCE 490 AA; FAD; MW; 9651CF74EC3565BI CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (J.P.C.)
01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
GLP 383_953 699 (GLP 383_14340_14594).
Glardia lamblia ATCC 50803.
05-JUL-2004 (TrEMBLrel. 27, Last annotation update) Dihydrolipoamide dehydrogenase.
Name=lpdA; OrderedLocusNames=DIP0645;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    84 AA
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47pd07 ; GLP_383 699 (GLP_383_14340_14594).

(from "seq2nii.pep")

TOIG of: 47pd07 check: 8099 from: 1 to: 84
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                                                                                   Corynebacterium diphtheriae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRINTS; PR00368; FADPNR. PRINTS; PR00945; HGRDTASE.
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                                                                                                                                                                                                                        SEQUENCE FROM N.A.
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  103
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MEDLINE=21456055; PubMed=12537568; Celniker S.E., Wheeler D.A., Kronmiller B., Carlson J.W., Halpern A., Patel S., Adams M., Champe M., Dugan S.P., Frise E., Hodgson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Pacleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter C., Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M.; Finishing a whole-genome shotgun: Release 3 of the Drosophila melanogaster euchromatic genome sequence.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
Adams M.D., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G.,
Li P.W., Henderson S.N., Sutton G.G., Wortman J.R., Yandell M.D.,
Zhang Q., Chen L.X., Brandon R.C., Rogers Y.H., An H.J.,
Andrews-Ffannkoch C., Baldwin D., Ballew R.M., Basu A., Baxendale of
Beasley E.M., Beeson K.Y., Bhandari D., Bolanos R.A., Busam D.A.,
Center A., Chandra I., Dahlke C., Davenport L.B., Davies P.,
Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K.,
Doup L.E., Dunn P., Evangelista C.C., Ferriera S., Flanigan M.J.,
STRAIN=WB C6;
Morrison H.G., McArthur A.G., Adam R.D., Aley S.B., Gillin F.D.,
                                                              Olsen G.J., Sogin M.L.,
"Draft sequence of the Giardia lamblia genome.";
submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Heterochromatic sequences in a Drosophila whole-genome shotgun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MISCWVTDHLQKRPAIREQRAGPLPDTTHGSTPSASTNAYYDSKMEAYGERTSDNRVDDP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Drosophila melanogaster (Fruit fly).
Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                           2005 13:17 Type: P Check: 8099
                                                                                                                                                                                                                                                      preliminary data.
EMBL; AACBO1000141; EAA37406.1; -.
SEQUENCE 84 AA; 9410 MW; 8FEDA63103C8381B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (TrEMBLrel. 26, Created)
(TrEMBLrel. 26, Last sequence update)
(TrEMBLrel. 26, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (from "seg3uni.pep")
TOIG of: q7plc6 check: 7105 from: 1 to: 673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                           Q7PD07 Length: 84 February 4, 2 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Name=Gfat1; Synonyms=CG12449;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RHGETKRHPRNGVDTRGRGVRSSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=7227;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-MAR-2004
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01-MAR-2004
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Posler C., Gabrielian A.E., Garg NS. Cargonark, C. Glostek A., Gong F., R. A. Cargonark, C. Gabrielian A.E., Garg NS. Cargonark, C. Gabrielian A.E., Garg NS. Cargonark, C. Gabrielian A.E., Garg NS. Cargonark, C. Cargonark, C.
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Length: 673 February 4, 2005 13:17 Type: P Check: 7105 ing 'seq3' (mohamed337.key)
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Found using

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Address FROM N.A.

Adams M.D., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G.,
Adams M.D., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G.,
Li P.W., Henderson S.N., Sutton G.G., Wortman J.R., Yandell M.D.,
A Liang Q., Chen L.X., Brandon R.C., Rogers Y.H., An H.J.,
Andrews-Pfannkoch C., Baldwin D., Ballew R.M., Basu A., Baxendale J.,
Andrews-Pfannkoch C., Baldwin D., Bolanos R.A., Busam D.A.,
Bassley E.M., Beeson K.Y., Bhandari D., Bolanos R.A., Busam D.A.,
Center A., Chandra I., Dahlke C., Davenport L.B., Davies P.,
Center A., Chandra I., Dahlke C., Davenport L.B., Davies P.,
Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K.,
Delcher A., Dunn P., Evangelista C.C., Ferriera S., Flanigan M.J.,
Rosler C., Gabrielian A.E., Garg N.S., Glasser K., Glodek A., Gong F.,
R. Gorler C., Gabrielian A.L., Harries M., Hedian T.J., Houck J.,
R. Hostin D., Howland T.J., Wei M.H., Ibegwam C., Jalali M., Kalush F.,
R. Ketchum K.A., Kodira C.D., Kraft C., Kravitz S., Lai Z.,
R. Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X., Liu X.,
Antishina N.V., Wobarry C., Mopherson D., Merkulov G., Miller J.R.,
R. Milshina N.V., Wobarry C., Moy W., Murphy B., Nelson K.A.,
R. Milshina N.V., Santth T., Spier B., Strong R., Sun E., Tector C.,
R. Aunskern D.R., Pittman G.S., Pan S., Pollard J., Puri V., Reinert K.,
R. Wondege T., Wu D., Yao Q.A., Ye J., Zaveri J.S., Zhan M., Zhang G.,
R. Ando Q., Zheng L., Zheng X.H., Zhong F.N., Zhong W., Zhu X., Zhu X.,
R. Smith H.O., Myers B.W., Venter J.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE-22426071;
Hoskins R.A., Smith C.D., Carlson J.W., Carvalho A.B., Halpern A.,
Hoskins R.A., Smith C.D., Mungall C.J., Sullivan B.A., Sutton G.G.,
Xaminker J.S., Kennedy C., Mungall C.J., Sullivan B.A., Sutton G.G.,
Yasuhara J.C., Wakimoto B.T., Myers B.W., Celniker S.E., Rubin G.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=22426065, PubMed=12537568;
MEDLINE=22426065, PubMed=12537568;
Celniker S.E., Maceler D.A., Kronmiller B., Carlson J.W., Halpern A Patel S., Adams M., Champe M., Dugan S.P., Fise B., Hodgson A., George R.A., Hoskins R.A., Lavery T., Muzny D.M., Nelson C.R., Sacileb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M.; Finishing a whole-genome shotgun: Release 3 of the Drosophila melanogaster euchromatic genome sequence.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heterochromatic sequences in a Drosophila whole-genome shotgun
KSKYYPGECVASRRSSPLLVGIKTKTRLATDHIPILYGKDADSGKPQVLPRSESTSEFMP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Drosophila melanogaster (Fruit fly).
Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
                                                                                           -----|
Leekeveyffasdasaviehtnrviyledddvaavrdgtlsihrlkkslddfhareit
                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-WAR-2004 (TrEMBLrel. 26, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                   682 AA.
                                                                                                                                                                                                                                                           1 match found in sequence:

q7plc7 ; CG12449-PA.

[from #sq3uni.pep"]

TOIG of: q7plc7 check: 6056 from: 1 to: 682
                                                                                                                                                                                                                                                                                                                                                                                                                               Created)
                                                                                                                                                                                                                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Genome Biol. 3:0085-0085(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=Gfat1; Synonyms=CG12449;
                                                                                                                                                                                                                                                                                                                                                                                                                                     (TrEMBLrel. 26, (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=7227;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Karpen G.H.;
                                                                                                                                                                                                                                                                                                                                                                                                             07PLC7;
01-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CG12449-PA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       assembly.";
                                                                                                                                                                                                                                                                                                                                                                                        242
               182
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Last sequence update) Last annotation update)

Created) PRT;

(TrEMBLrel. 26,

PRELIMINARY;

715 AA.

1 B

715 AA; 80212 MW; EIEEBEE20894193E CRC64;

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Anopheles gambiae str. PEST.
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Anopheles.
NCBI_TaxID=180454;
                                                                                                                                                                                                                                                                                                                                                            -1- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                    Anopheles Genome Sequencing Consortium;
Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                   preliminary data.
EMBL, AAABO1008811, EAA04862.2;
GO; GO:06534; C:nucleus; IEA.
GO; GO:0005677; F:DNA binding; IEA.
InterPro; IPR009057; Homeodomain_like.
                                                                                   01-MAR-2004 (TrEMBLrel. 26, L
01-MAR-2004 (TrEMBLrel. 26, L
ENSANGP00000016019 (Fragment)
                                                                                                                                                 Name=ENSANGG00000013530;
                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                               01-MAR-2004
                                                                                                                                                                                                                                                                                                  STRAIN-PEST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NON TER
NON TER
SEQUENCE
                   Q7PSY1
Q7PSY1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Found using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   O7PSY1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            328
                      388
                                                                      Adams M.D., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G., Andams M.D., Holt R.A., Brandon R.C., Rogers Y.H., An H.J.,
A Adams M.D., Holt R.A., Brandon R.C., Rogers Y.H., An H.J.,
A Zhang Q., Chen L.X., Brandon R.C., Rogers Y.H., An H.J.,
A Andrews-Pfannkoch C., Baldwin D., Ballew R.M., Basu A., Baxendale J.,
Beasley E.M., Beeson K.Y., Bhandari D., Bolanos R.A., Busam D.A.,
A Delcher A., Chandra I., Dahlke C., Davenport L.B., Davies P.,
Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K.,
Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K.,
A Doup L.B., Dunn P., Evangelista C.C., Ferriera S., Flanigan M.J.,
Rosler C., Gabrielian A.E., Garg N.S., Glasser K., Glodek A., Gong F.,
A Hostin D., Howland T.J., Wei M.H., Ibegwam C., Jalali M., Kalush F.,
Ke Z., Ketchum K.A., Kodira C.D., Kraft C., Kravitz S., Lai Z.,
Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
Mattei B., McIntosh T.C., McPherson D., Merkulov G., Miller J.R.,
Milshina N.V., Mobarry C., Moy M., Murphy B., Nelson K.A.,
Nusskern D.R., Pittman G.S., Pan S., Pollard J., Puri V., Reinert K.,
Remington K., Scheeler F., Shue B.C., Siden-Kiamos I., Simpson M.,
Skupski M.P., Smith T., Spier B., Strong R., Sun B., Tector C.,
M. Woodage T., Wu D., Yao G.A., Ye J., Zaveri J.S., Zhan M., Zhang G.,
Smith H.O., Myer B.W., Venter J.C.,
Smith H.O., Myer B.W., Venter J.C.,
Shimitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GO; GO:0005737; C:cytoplasm; IEA.
GO; GO:0004360; F:glutamine-fructose-6-phosphate transaminase. . .; IEA.
GO; GO:0005529; F:sugar binding; IEA.
GO; GO:0016051; F:sarbohydrate biosynthesis; IEA.
GO; GO:0016051; P:carbohydrate biosynthesis; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
Hoskins R.A., Smith C.D., Carlson J.W., Carvalho A.B., Halpern A.,
Kaminker J.S., Kennedy C., Lewis S.E., Mungall C.J., Sullivan B.A.,
Sutron G.G., Yasuhara J.C., Wakimoto B.T., Myers E.W., Celniker S.E.,
Rubin G.M., Karpen G.H.;
Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases
-1- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VASRRSSPLLVGIKTKTRLATDHIPILYGKDDKKLCTDQDADSGKPQVLPRSESTSEFMP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q7PLC7 Length: 682 February 4, 2005 13:17 Type: P Check: 6056 Found using 'seq3' (mohamed337.key)
  "Drosophila melanogaster Heterochromatic Scaffold.";
Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATĀSE TYPE II; UNKNOWN 1.
76654 MW; FD0BDDB35966EEA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AABU01002542; EAA46260.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro; IPR000583; GATase 2.
InterPro; IPR005855; GlmS_trans.
InterPro; IPR001347; SIS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEAM, PF00310; GATASSE 2; 1.
PFAM, PF01380; SIS; 2
TIGRPAMS, TIGRO1135; glms; 1.
PROSITE: PS00443; GATASE IYPE
SEQUENCE 682 AA, 76654 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              P17169; 1GDO.
                                                           SEOUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL;
191
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Eukāryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterrygota; Diptera; Nematocera; Culicoidea; Anopheles.
NCBI_TaxID=180454;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Anopheles Genome Sequencing Consortium;
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                  SLTDFQSNTSICLNSYEQRIGVAVPGETLCTGEKLAGGCKERLPATGRRQRTDSSSEKVG
Length: 715 February 4, 2005 13:17 Type: P Check: 7489
ing 'seq3' (mohamed337.key)
                                                                                                                                                                                          NESKKLKYDDGGKEPGDEKPPYGLELLPQDGPAFAEHFKSPNASNESTEMKDFLGDNS
                                                                                                                                                                                                                                                                                                                                                                                                                     070E24;
01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        preliminary data.

EMBL; AAAB01008848; EAA07036.1; -.
HSSP; P02829; 1USU.
GO; GO:005524; F.ATP binding; IEA.
GO; GO:0051082; F:unfolded protein binding; IEA.
GO; GO:0006457; P:protein folding; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AgCP7269 (Fragment).
Name=agCG51375; ORFNames=ENSANGG0000014157;
                                                                                                                                                                                                                                                                                                                                                                                                    722 AA
                                                                                                                                                                                                                                                                                                                                                               from: 1 to: 722
                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Anopheles gambiae str. PEST
                                                                                                                                                                                                                                                                                                                                                               check: 8295
                                                                                                                                                                                                                                                                                                        match found in sequence:
q7qe24 ; AgCP7269 (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                           (from "seq3uni.pep")
                                                                                                                                                                                                                                                                                                                                                               TOIG of: q7qe24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=PEST;
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------| LEEKEVEYFFASDASAVIEHTNRVIYLEDDDVAAVRDGTLSIHRLKKSLDDPHAREIT

251

check: 7489 from: 1 to: 715

l match found in sequence:
qfpsyl , BNSANGP00000016019 (Fragment).
(from "seqluni.pep")
TOIG of: qfpsyl check: 7489 from: 1

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884448B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Anopheles gambiae str. PEST.
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Anopheles.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Anopheles Genome Sequencing Consortium,
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
--- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
preliminary data.
EMBL; AAAB01008823; EAA05623.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q7QH02 Length: 1086 February 4, 2005 13:17 Type: P Check: 4946 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                         TLAEASPYYESLKKRGIEVLFCYEAYDELVLMQLGMYLGKNLVSVEKEMRRSDASTEGKD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGMTDPSRRPMVVSRRDCLWIDRGWRSTDTDKDSGLSEAKLLESSQNTANYADVSTDYAE
                                                                                                                                                                                                                                             Q7QE24 Length: 722 February 4, 2005 13:17 Type: P Check: 8295 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VDPRSITSPYNSRKSPDNPSPYATTVLVNGNCNDNGKMSYQGLDGYISGASTNRSDPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADGLIEGSLLKTQIDELLPWLKDKLTGKVSNVKTTGKLDTHPCVVTVEEMAAARHFIK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1086 1086
1086 AA; 118638 MW; 00B61A3ASOD7C593 CRC64;
                                                                                                                                                                                               722 AA; 81576 MW; C247E2A0F8FEE8A9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
AgCP10417 (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:

47qh02; AgCP10417 (Fragment).

(from "sequini.pep, Tolg of: q7qh02 check: 4946 from: 1 to: 1086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT; 1086 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=agCG54105; ORFNames=ENSANGG0000010055;
InterPro; IPR009079; 4 helix cytokine.
InterPro; IPR003594; ATPbind_ATPase.
InterPro; IPR001404; HSP90.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q7QH02;
01-MAR-2004 (TrEMBLrel. 26, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             InterPro; IPR003961; FN III.
InterPro; IPR008957; FN III-like.
InterPro; IPR007110; Ig-like.
Pfam; PF00041; fn3; 3.
PROSITE; PS50853; FN3; 3.
PROSITE; PS50835; IG_LIKE; 5.
                                                                                Pfam; PF02518; HATPase c; 1.
Pfam; PF00183; HSP90; 3.
PRINTS; PR00775; HEATSHOCK90.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HSSP; Q10466; 1BPV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=180454;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=PEST
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SEQUENCE
                                                                                                                                                                                                     SEQUENCE
     584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DDT DDT BE BELLE B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             965
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"Genome sequence and comparative analysis of the model rodent malaria parasite Plasmodium yoelii yoelii."; Nature 419:512-519(2002).
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PubMed=12368865; DOI=10.1038/nature01099;
Carlton J.M., Angiuoli S.V., Suh B.B., Kooij T.W., Pertea M., Carlton J.M., Angiuoli S.V., Suh B.B., Kooij T.W., Pertea M., Silva J.C., Ermolaeva M.D., Allen J.E., Salengut J.D., Koo H.L., Peterson J.D., Pop M., Kosack D.S., Shumway M.F., Bidwell S.L., Shallom S.J., van Aken S.E., Riedmuller S.B., Peidblyum T.V., Cho J.K., Quackenbush J., Sedegah M., Shoaibi A., Cummings L.M., Florens L., Yates F.R. III, Raine J.D., Sinden R.E., Harris M.A., Cunningham D.A., Preiser P.R., Bergman L.W., Vaadya A.B., van Lin L.H., Janse C.J., Waters A.P., Smith H.O., White O.R., Carucci D.J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DNESLLKSPKKKLNNNKGIETICNDMNDSKYEGENAFNTSQANIDHIOKOYTENSSEESE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length: 777 February 4, 2005 13:17 Type: P Check: 3550
ing 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CETRSICSFQNEKDEIIDDDSNNNSQNEVLDDESLNKCDNEEKKMDKIRSNLLPHTGK
                                                                                                                                                                                                                                                                                                                                                     plasmodium yoelii yoelii.
Bukaryota, Alveolata, Apicomplexa, Haemosporida, Plasmodium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hypothetical protein. _ _ _ _ SEQUENCE 777 AA; 90514 MW; 22A0B47689B83BB7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QTRID9;
01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
34 kDa phosphoprotein (Fragment).
                                                                                                                                                                                                         01-WAR-2004 (TrEMBLrel. 26, Created)
01-WAR-2004 (TrEMBLrel. 26, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; AABLO100012; EAA18518.1; -.
Interpro; IPR001547; Glyco_hydro_5.
PROSITE; PS00659; GLYCOSYL_HYDROL_F5; UNKNOWN_1.
                                                                                                                                              777 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               256 AA
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                                                                                      check: 3550 from: 1 to: 777
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q7rrd9 ; 34 kDa phosphoprotein (Fragment).
(from "seq3uni.pep")
                                                                                                                                                 PRT;
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check: 3324
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                                                                                                                                                     PRELIMINARY;
                                                                                                                                                                                                                                                                                                   Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=73239;
                                                                                                                                                                                                                                                                                                                                      Name=PY00794;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOIG of: q7rrd9
                                                                                                                                                                                    Q7RRD7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q7RRD9
                                                                                                                                                     Q7RRD7
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7SYN3;
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           DATE TO THE SERVICE OF THE SERVICE O
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Genome sequence and comparative analysis of the model rodent malaria parasite Plasmodium yoelii yoelii.";
Nature 419:512-519(2002)
                                                                                                                                                                                                                                                              Carlton J.M., Angiuoli S.V., Suh B.B., Kooij T.W., Pertea M., Silva J.C., Ermolaeva M.D., Allen J.B., Selengut J.D., Koo H.L., Peterson J.D., Pop M., Kosack D.S., Shumway M.P., Bidwell S.L., Shallom S.J., van Aken S.E., Riedmuller S.B., Feldblyum T.V., Cho J.K., Quackenbush J., Sedegah M., Shoaibi A., Cummings L.M., Plorens L., Yates F.R. III, Raine J.D., Sinden R.E., Harris M.A., Cunningham D.A., Preiser P.R., Bergman L.W., Vaidya A.B., van Lin L.H., Janse C.J., Waters A.P., Smith H.O., White O.R., Salzberg S.L., Venter J.C., Fraser C.M., Hoffman S.L., Gardner M.J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -1- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Neurospora crassa.
Eukaryota, Fungi, Ascomycota, Pezizomycotina, Sordariomycetes,
Sordariomycetidae, Sordariales, Sordariaceae, Neurospora.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LGCMGGMGGMGD I DFSKLGNMGGDMSNLAGLGGMDQFKNMPNMNDDDSSSYGDDSSDDD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q7RRD9 Length: 256 February 4, 2005 13:17 Type: P Check: 3324 Found using 'seq3' (mohamed337.key)
Plasmodium yoelii yoelii.
Bukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    256 AA; 28117 MW; 113A62102D3469AD CRC64;
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Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT; 552 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EDDDTNKSDADHSHACNDAKCNIDKEGAIHNDDAKVQEPVA
                                                                                                                                                                                                                               PubMed=12368865; DOI=10.1038/nature01099;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check: 173 from: 1 to: 552
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                preliminary data.
preliminary data.
SMBL; AABLO1000212; EAA18516.1; -.
InterPro; IPR008978; HSP20_chap.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                q7sei3 ; Hypothetical protein. (from "seq3uni.pep")
TOIG of: q7sei3 check: 173 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
                                                                                                                                                            FROM N.A.
                                               Bukaryota, Alveola
NCBI_TaxID=73239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=OR74A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Carucci D.J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NON TER
SEOUENCE
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Q7SEI3;
       156
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENTES FROM N.A.

STRAIN=AB, TISSUB=Whole body;

X Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

X Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

X Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

X Straubberg R.L., Seeberg B. Buetcw K.H., Schaefer C.F., Bhat N.K.,

A lacchul S.F., Zeeberg B. Buetcw K.H., Schaefer C.F., Bhat N.K.,

A platchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A platchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A platchenko L., Maria M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

B platchenko L., Wedin T.B., Toshiyuki S., Carninci P., Prange C.,

A prometein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gab K.J., Hulyk S.W.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,

Raha S., Worley K.C., Hale S., Garcia M.N., Gibbs R.A.,

Richards S., Worley N.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rahay J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Whiting M., Madan A., Young A.C., Shevchanko Y., Bouffard G.G.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Annes S.J., Marra M.A.,

Jones S.J., Marra M.A.,

Redeneration and initial analysis of more than 15,000 full-length human

R. Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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Brachydanio rerio (Zebrafish) (Danio rerio).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
Natvig D.O., Alex L.A., Mannhaupt G., Ebbole D.J., Freitag M., Paulsen I., Sachs M.S., Lander E.S., Nusbaum C., Birren B.; "The Genome Sequence of the Filamentous Fungus Neurospora crassa.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QTYPVPMHVGVPPEAAYQIGVAGQYPVPAGYAPLPIPYHSVPYTPGRVASYGERSSEAPG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q7SE13 Length: 552 Pebruary 4, 2005 13:17 Type: P Check: 173 und using 'seq3' (mohamed337.key)
                                                                                                                                                                         -!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENRRGSYSTNESTPATPFFGTFSDRGGNGR1AV1RSSFNTPSPEQVVASGGVVKSVP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hypothetical protein. _ _ SEQUENCE 552 AA; 59560 MW; CB40CB3F190C5E86 CRC64;
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01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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                                                                                                                                                                                                                                                                                         EMBL; AABXC1000032; EAA35208.1; -.
HSSP, Q60900; 1D9A.
InterPror; IPROON0504; RNA_rec_mot.
Pfam, PP00076; RRM 1; 2.
PROSITE; PS50102; RRM; 2.
PROSITE; PS50102; RRM; 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRELIMINARY;
                                                                                                                                                                                                                                                              preliminary data.
                                                                                                                                 Nature 0:0-0(2003).
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NCBI TaxID=7955;
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086T77
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                                                                                                                                                                                                                                                                                                                                                        836
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868
                                                                                                                                                                                               928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wolecular cloning, structural analysis, and expression of a human IRLB, MYC promoter-binding protein: new DENN domain-containing protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
MEDLINE-22788788; PubMed-12906859; DOI-10.1016/S0888-7543(03)00103-4;
Semova N., Kapanadze B., Corcoran M., Kutsenko A., Baranova A.,
          SEQUENCE FROM N.A.

C STRAIN=AB; ILSSUE=Whole body;
STRAIN=AB; ILSSUE=Whole body;
Strainsberg R.;
Strainsberg R.;
Strainsberg R.;
Strainsberg R.;
Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.

R SEMB; BC054651; AAH54651.1; -
R HSSP; Q13153; 1F3M.

R ZFIN; ZDB-GENE-040426-2841; ZGC:66137.

R GO; GO:0005524; F:ATP binding; IEA.

R GO; GO:0006469; P:protein serine/threonine kinase activity; IEA.

R GO; GO:0006469; P:protein amino acid phosphorylation; IEA.

InterPro; IPR001109; Kinase like.

InterPro; IPR00119; Prot Kinase.

R InterPro; IPR001290; Sex thr pkinase.

R Pfam; PF00069; Pkinase; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606,
                                                                                                                                                                                                                                                                                                                                                                                               FVEACLINKEPSFRPTAKELLKHKLIVRFAKKTSYLTELIDKYKRWKAEQSRAESSSDESD
                                                                                                                                                                                                                                                                                                             Q7SYN3 Length: 420 February 4, 2005 13:17 Type: P Check: 1015 Found using 'seq3' (mohamed337.key)
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SEPDGQASGGNDFGNDDWIFTIREKDPKKLQNGASLVGEEKPNKRPLSQSLSTVITPV
                                                                                                                                                                                                                                                                                    420 AA; 46861 MW; 3DF4791331CD9E82 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Q72401 PRELIMINARY; PRT; 1865 AA. 072401; 01-007-2003 (TrEMBLrel. 25, Created) 01-007-2003 (TrEMBLrel. 25, Last sequence update) 01-MAR-2004 (TrEMBLrel. 26, Last annotation update) 0-MYC promoter-binding protein IRLB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  check: 8069 from: 1 to: 1865
                                                                                                                                                                                                             ProDom; PD000001; Prot_Kinase; 1.
SMRAT; SM00220; S.TKG; 1.
PROSITE; PS00107; PROTEIN KINASE AIP; 1.
PROSITE; PS50011; PROTEIN_KINASE_DOM; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . match found in sequence:
q72401; c-MrC promoter-binding protein IRLB.
[Efrom "seq3uni.pep"]
TOIG of: q72401 check: 8069 from: 1 to: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genomics 82:343-354 (2003).
EMBL, AF534403, AAQ10514.1; -
InterPro; IPR005112; dDENN.
InterPro; IPR001194; DENN.
InterPro; IPR002185; PPR.
InterPro; IPR005131; uDENN.
Pfam; PF03455; dDENN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pfam; PF03456; uDENN; 1.
PROSITE; PS50947; DDENN; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PF01535; PPR; 2.
PF03456; uDENN; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         family emerges.";
                                                                                                                                                                                                                                                                      ATP-binding.
SEQUENCE 4
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 238
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SEQUENCE FROM N.A.
TISSUB=Human spinal cord;
Ansorge W., Krieger S., Regiert T., Rittmueller C., Schwager B.,
Mewes H.W., Weil B., Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL, AR32262.; CAD89960.1;
InterPro; IPR005112; dDENN.
InterPro; IPR001194; DENN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
11-MAR-2004 (TrEMBLrel. 26, Last annotation update)
11-MAR-2004 (TrEMBLrel. 26, Last annotation update)
12-MAR-2004 (TrEMBLrel. 26, Last annotation update)
13-MAR-2004 (TrEMBLrel. 26, Last annotation update)
13-MAR-2004 (TrEMBLrel. 26, Last annotation)
13-MAR-2004 (TrEMBLrel. 26, Catarthini, Hominidae, Homo.
                                                                                                                           Q72401 Length: 1865 February 4, 2005 13:17 Type: P Check: 8069 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      YFLWTKVRNVVLGVTQFKRALKKHAHLSQTTLSGGQSDLGYNSLSKDEVRKGDTSTEDIQ
                                                                                                                                                                                                                                                                                                                          YFLWTKVRNVVLGVTQFKRALKKHAHLSQTTLSGGQSDLGYNSLSKDEVRRGDTSTEDIQ
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EEKDKKGSDCSSLSESESTKGSADCLPKLSYQNSSSIVRLTGTSNNSAGKISGESMES
                                                                                                                                                                                                                                                                                                                                                                                                                                        -----|
EEKDKKGSDCSSLSESESTKGSADCLPKLSYQNSSSIVRLTGTSNNSAGKISGESMGK
PROSITE; PS50211; DENN; 1.
PROSITE; PS50946; UDENN; 1.
SEQUENCE 1865 AA; 209427 MW; 475AD139CABC92B3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE 1831 AA; 205650 MW; C9CD64C74C4A907A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
q86t77 ; Hypothetical protein DKFZp451C1717 (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRT; 1831 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      InterPro; IPR002885; PPR.
InterPro; IPR005113; uDENN.
Pfam; PP03425; dDENN; 1.
Pfam; PP01535; PPR; 2.
Pfam; PP03456; uDENN; 1.
PROSITE; PS50947; DDENN; 1.
PROSITE; PS50947; DDENN; 1.
PROSITE; PS50946; UDENN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  check: 298
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq3uni.pep")
TOIG of: q86t77 che
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      using
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TDLSWLSSMDGAIRMGDIYHGETYDARKESVWTKPGYNTANWNKTAVNPHFKGELIAF
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TOIG o
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SWARTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=USDAIl0;
MEDLINE=22484998; PubMed=12597275;
Kaneko T., Nakamura Y., Sato S., Minamisawa K., Uchiumi T.,
Sasamoto S., Watenabe A., Idesawa K., Iriguchi M., Kawashima K.,
Kohara M., Mateumoto M., Shimpo S., Tsuruoka H., Wada T., Yamada M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Complete genomic sequence of nitrogen-fixing symbiotic bacterium Bradyrhizobium japonicum USDA110.";
DAR Res. 9:189-197(2002).
EMBL; AP005952; BAC49979.1; -.
InterPro; IPR011083; Collar.
InterPro; IPR011089; Serralysn_like_C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN-USDAI10;
MEDLINE-22484998; PubMed-12597275;
Kaneko I., Nakamura Y., Sato S., Minamisawa K., Uchiumi T.,
Sasamoto S., Watanabe A., Idesawa K., Iriguchi M., Kawashima K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q89L34 Length: 1861 February 4, 2005 13:17 Type: P Check: 6303 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PTGGGTHQVRDITWQVSDGTNTNITASPINNDQPSLGLTQLIPLQGTYPSHGDGTSDPGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IDLGSIRTFAGSLAPNHTALASGQLLSIAQNTALFSLFGTTYGGNGQTTFELPNLQAK
                                                                                                                                                                                                                                                                                                                             Bradyrhizobium japonicum.
Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Bradyrhizobiaceae; Bradyrhizobium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bradyrhizobium japonicum.
Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EB7F4C549B8B59E5 CRC64;
                                                                                                                                                                                                    01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Blr4714 protein.
OrderedLocusNames=blr4714;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              158 AA
                     . match found in sequence:
489134 ; B1r4714 protein.
(from "sequini.pep")
TOIG of: q89134 check: 6303 from: 1 to: 1861
                                                                                                                                                   PRT; 1861 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 5053 from: 1 to: 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Created)
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NCBI_TaxID=375;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1861 AA; 184721 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-JUN-2003 (TrEMBLrel. 24, 01-JUN-2003 (TrEMBLrel. 24, 01-OCT-2003 (TrEMBLrel. 25,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OrderedLocusNames=blr4382;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pfam; PF07484; Collar; 3.
                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       q89m11 ; Blr4382 protein.
(from "seq3uni.pep")
TOIG of: q89m11 check:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Blr4382 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=375;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tabata S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE
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STRAIN=VPI-5482 / ATCC 29148; MBDL.NBE-225508958; DMBG-1268958; PMBDL.NBE-225508958; PMBDded=12653928; DOI=10.1126/science.1080029; MBDL.NBE-225508958; PMBG-1260 J., Deng S., Carmichael L.K., Chiang H.C., Hooper L.V., Gordon J.I.; M. genomic view of the human-Bacteroides thetaiotaomicron symbiosis."; Science 299:2074-2076(2003).
Kohara M., Matsumoto M., Shimpo S., Tsuruoka H., Wada T., Yamada M.,
Tabata S.;
                                                     "Complete genomic sequence of nitrogen-fixing symbiotic bacterium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LLSERIGVPVDKLNLVAVWREAPIYSARERAALAWTEALTFLPDGVSDEVYAEVTSEFSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Check: 3122
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HYQTYDITDLLRKGENAVGAQVSSGWMNSDVAHGEYGANEVGFIAKILLKYTDGTSETVV
                                                                                                                                                                                                                                                                                                                               Q89M11 Length: 158 February 4, 2005 13:17 Type: P Check: 5053 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bacteroides thetaiotaomicron.
Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;
Bacteroidaceae; Bacteroides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1152 AA; 128868 MW; DOD678E79EC6C9BD CRC64;
                                                                                                                                                                                                                                                                               158 AA; 17471 MW; FES3BF81378F57E4 CRC64;
                                                                          01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length: 1152 February 4, 2005 13:17 Type: P
ing 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from: 1 to: 1152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SELMYLTSAVASINVWNRFGAAYRWTPAKRPVATNAAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR008902; Bac_rhamnosid.
Pfam; PF05592; Bac_rhamnosid; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check: 3122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OrderedLocusNames=BT2523;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq3uni.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Alpha-rhamnosidase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Complete proteome.
SEQUENCE 1152 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=818;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               of: q8a4s4
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using
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=22271642; PubMed=12384788; Tonkin E., Hagan D.M., Li W., Strachan T.; Strachan T.; Strachan D.; Strachan D.; Strachan D.; Disperion and characterisation of novel mammalian homologues of Drosophila polyhomeoticpermits new insights into relationships between members of the polyhomeotic family."; Hum. Genet. 111.435-442(2002).

EMBL; AJ414610; CAC93885.1; -.
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MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OBCHP6 Length: 981 February 4, 2005 13:17 Type: P Check: 5433 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EGFVIQEGLEPFPVSRSSLLIEQPVKKRPLLDNQVVNSVCVQPELQNNTKHADNSSDTEI
755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -----|
EDMMAEETLEEMDSELLKCEFCGKMGYPNEFLRSKRFCTMSCAKRYNVSCSKKFALSR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MGD; MGI:2181434; Phc3.
InterPro; IPR01660; SAM.
InterPro; IPR011510; SAM. 2.
Pfam; PF07647; SAM. 2.
PRAST; SMO0454; SAM; 1.
PROSITE; PS50105; SAM DOMAIN; 1.
SEQUENCE 981 AA; 105438 MW; CCC3CF42C1EE06B9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
C-myc promoter binding protein.
                                                                                                                                                                                           Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
q8ivx2 ; C-myc promoter binding protein.
(from "seq3uni.pep").
TOIG of: q8ivx2 check: 2562 from: 1 to: 1863
                                                                                                                     981 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT; 1863 AA
                                                                     to: 981
                                                                                                                                                                    Created)
                                                                                                                     PRT;
                                                                     from: 1
                                                                                                                                                               01-WAR-2003 (TrEMBLrel. 23, 01-WAR-2003 (TrEMBLrel. 23, 01-JUN-2003 (TrEMBLrel. 24, Polyhomeotic 3.
                                                 (from "seq3uni.pep")
TOIG of: q8chp6 check: 5433
                                                                                                                     PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRELIMINARY;
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match found in sequence:
                      q8chp6 ; Polyhomeotic 3.
(from "seq3uni.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              P39769; 1KW4.
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                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A. STRAIN=C57BL/6J;
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                                                                                                                                                                                                                                                                 Name=Phc3;
                                                                                                                                         овснре;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q8IVX2;
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                                                                                                                       OBCHP6
                                                                                                                       705
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Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Mooze T., Max S.I., Wang J., Hsieh F.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M. Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McKwan P.J., McKernan K.J., Malek J.A., Gunarathe P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Pahey J., Helton B., Ketreman M., Madan A., Rodrigues S., Sanchez A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MR-2003 (TrEMBLrel. 23, Last annotation update)
Homolog of polyhomeotic 3.
Name=PHC3;
Homo sapiens (Human).
Eukaryota, Metazoa; Chordata, Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Check: 2562
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Strausberg R.;
Strausberg R.;
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BEO41706; AAH41706.1; -.
InterPro; IPR005112; dDENN.
InterPro; IPR001194; DENN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1863 AA; 209226 MW; CE653AD6AA6749A1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
MEDLINE=22271642; PubMed=12384788;
Tonkin E., Hagan D.M., Li W., Strachan T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to: 983
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qendxs; Homolog of polyhomeotic 3.
[Ticom "seq3uni.pep"]
TOIG of: qendxs check: 9513 from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterProj IPR002885; PPR.
InterProj IPR0051813; uDENN.
Pfam; PP03455; dDENN; 1.
Pfam; PP02141; DENN; 1.
Pfam; PP03456; uDENN; 1.
PR0SITE; PS50947; DDENN; 1.
PR0SITE; PS5041; DENN; 1.
PR0SITE; PS5041; DENN; 1.
PR0SITE; PS5041; DENN; 1.
SEQUENCE 1863 AA; 209226 P
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TISSUE=Uterus;
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seq3_uni.res

774

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Drosophila polyhomeoticpermits new insights into relationships between members of the polyhomeotic family."; Hum. Genet. 111:435-442(2002).
"Identification and characterisation of novel mammalian homologues of
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Levine S.S., Weiss A., Erdjument-Bromage H., Shao Z., Francis N.J.,
Porrester W., Tempst P., Kingston R.E.;
Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF444193; AAM51781.1; --
HSSP; P39769; IKW4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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EDMIAEETLEEMDSELLKCEFCGKMGYANEFLRSKRFCTMSCAKRYNVSCSKKFALSR
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InterPro; IPR011060; SAM.
InterPro; IPR011510; SAM.
2.
InterPro; PF07647; SAM.
2.
SMART; SMO447; SAM.
3.
PROSITE; PS50105; SAM. DOMAIN; 1.
PROSITE; PS50105; SAM. DOMAIN; 1.
                                                                                                                                                                                                                                                                                                                                                                          Pfam; PF07647; SAM 2; 1.
SMART; SM00454; SAM; 1.
PROSITE; PS50105; SAM DOMAIN; 1.
SEQUENCE 983 AA; 106161 MW; 05819632A1675049 CRC64;
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01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-NAR-2003 (TrEMBLrel. 23, Last annotation update)
Polyhomeotic 3 protein.
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TOIG of: q8nft7 check: 467 from: 1 to: 983
                                                                                                                                                                                                                                                             Interpro; IPR011069; Asp transf_reg_C.
Interpro; IPR001660; SAM.
Interpro; IPR011510; SAM_2.
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                                                                                                                                             EMBL; AJ320486; CAC86587.2;
HSSP; P39769; 1KW4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRELIMINARY;
                                                                                                                                                                                                                         Genew; HGNC:15682; PHC3
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using 'seq3' (m
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707
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EDMIAEETLEEMDSELLKCEFCGKMGYANEFLRSKRFCTMSCAKRYNVSCSKKFALSR

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Hansen M.F., Deshpande A.M., Nellissery M.J., Reveles X., Naylor S.L., Jackson L.G., Leach R.J.;
Jackson L.G., Leach R.J.;
Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF380154; AAM46139.1; -.
EMBL; AP380154; AAM46139.1; -.
EMBL; AP380154; AAM46139.1; -.
InterPro; IPR011669; SAM_2.
InterPro; IPR011510; SAM_2.
EMBL; SM00454; SAM_2: 1.
SWART; SM00454; SAM; 1.
                                                                                                                                                                                    Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
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STRAINE-21929760; PubMed=11932238; DOI=10.1101/gr.223902;
Galagan J.E., Nusbaum C., Roy A., Endrizzi M.G., Macdonald P.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EGFVIQEGLEPFPVSRSSLLIEQPVKKRPLLDNQVINSVCVQPELQNNTKHADNSSDTEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q8NFZ1 Length: 964 February 4, 2005 13:17 Type: P Check: 589 Found using 'seg3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       PROSITE; PSS0105; SAM DOMAIN; 1.
SEQUENCE 964 AA; 104211 MW; 79078C95FS0EA206 CRC64;
                                                                                 01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
Early development regulator 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
1-JNR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein MA4241.
OrderedLocusNames=MA4241;
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                                                  to: 964
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from: 1
                                                  from: 1
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qBtib4; Hypothetical protein MA4241.
(from "seq3uni.pep"
TOIG of: qBtib4 check: 6994 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QBTIB4;
01-JUN-2002 (TrEMBLrel. 21,
01-JUN-2002 (TrEMBLrel. 21,
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                                                                                PRELIMINARY;
                                                  check: 589
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SEQUENCE FROM N.A.
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                                                  TOIG of: q8nfz1
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                                                                                 688
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RA Allen N., Naylor J., Engels R., Smirnov S., Atnoor D., Brown A., Allen N., Naylor J., Stange-Thomann N., DeArellano K., Johnson R., Linton L., McGwan P., McGwan R., Talamsa J., Tirreil A., Ye W., R. Linton L., Marban P.B., Graham D.B., Grahame D.A., Guss A.M., R. Hedderich R., Ingram-Smith C., Kuettner H.C., Krzycki J.A., Ligh J.A., Li W., Liu J., Wukhopadhyay B., Reve J.N., Smith K., Springer T.A., Umayam L.A., White O., White R.H., de Macario E.C., R.A Ferry J.G., Jarrell K.F., Jing H., Macario A.J.L., Paulsen I.T., Artchett M., Sowers K.R., Swanson R.V., Zinder S.H., Lander E., Ametcalf W.W., Birren B.; R. Metcalf W.W., Birren B.; R. Metcalf W.W., Birren B.; The genome of Methanosarcina acetivorans reveals extensive metabolic General Application of Methanosarcina acetivorans reveals Application of Methanosarcina acetivorans reveals R.H., Lander E., Genome Res. 12:532-542(2002).

R. HSSP, Q45560; IBWE.
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Schulte U., Aign V., Hoheisel J., Brandt P., Fartmann B., Holland R.,
Nyakatura G., Mewes H.W., Mannhaupt G.;
Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Neurospora crassa.
Eukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes;
Sordariomycetidae; Sordariales; Sordariaceae; Neurospora.
NCBI_TaxID=5141;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HDLKRAIKLTAHFRIPAVACINRYDINEKKSLEIEAFCREAGIPLLARLPYTDITTEAMM
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ROSGITE; PS00129; 4FE4S, FERREDOXIN; UNKNOWN 1.
4Fe-45; Complete proteoms; Iron; Iron-sulfur; Metal-binding.
SEQUENCE 310 AA; 33172 MW; 1D0E0AE421DEBBA4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Type: P Check:
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Submitred (JAN-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; ALG70002; CAD212224.1;
SEQUENCE 609 AA; 66237 MW; DD235095B2BE2201 CRC64;
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                                                                                                                                                                                                                                                                                                                            GO; GO:0005489; F:electron transporter activity; IEA. GO; GO:0005506; F:iron ion binding; IEA. GO; GO:0006184; F:electron transport; IEA. InterPro; IPR001450; 4Fe45; ferredoxin. InterPro; IPR002586; CbiA.
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Last sequence update)
Last annotation update)
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01-MAR-2004 (TrEMBLrel. 26, La
Related to ATROPHIN-1.
Name=BA4G3.070;
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q8wzz3; Related to ATROPHIN-1.
(from "seq3uni.pep")
TOIG of: q6wzz3 check: 81 fr
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Pfam; PF00037; Fer4; 2
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             198
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Bukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Leishmania.
NCBI_TaxID=5664;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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q99q3d ; Hypothetical protein L3180.04 (Hypothetical protein P265.05).
(from "seq3uni.pep")
TOIG of: q9gyd3 check: 7765 from: 1 to: 633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kawakami B., Sugiyama A., Takemoto M., Suzuki Y., Hata H.,
Nakagawa K., Mizuno S., Morinaga M., Kawamura M., Sugiyama T.,
Irie R., Otsuki T., Sato H., Nishikawa T., Nagai K., Isogai T.,
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EHGSPRIADVAVAQTFDDDAPRDPGEBADSESDAESVYSTISEDLVHYRPRAEWTSDLSD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein L3180.04 (Hypothetical protein P265.05)
Name=L3180.04; Synonyms=P265.05;
                                                                           -----|
NDEPPVPSTSSPFRFDSPDAVGPAVKSSLEAKRAKRRAVRKEASWNPGLACFEARRD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
EMBL, AKOS8171; BAB71701.1; -.
Genew, HGNC:22957; SPATS1.
SEQUENCE 300 AA, 33705 MW, 20A052131D2E4D98 CRC64;
                                                                                                                                                                                                                                                                                                                        096LJ0;
01-DEC-2001 (TYEMBLrel. 19, Created)
01-DEC-2001 (TYEMBLrel. 19, Last sequence update)
10-OCT-2003 (TYEMBLREL. 25, Last annotation update)
Hypothetical protein FLJ25442.
Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    633 AA
                                                                                                                                                                                                                                                                                                         300 AA
                                                                                                                                                                                                                                                                   to: 300
                                                                                                                                                                                                                             961j0; Hypothetical protein FLJ2542.
(from "seq3uni.pep")
TOIG of: q961j0 check: 5066 from: 1
                                                                                                                                                                                                                                                                                                         PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
                                                                                                                                                                                                             1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               [1] -
SEQUENCE FROM N.A.
STRAIN=Friedlin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE=Testis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sugano S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q9GYD3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESCOSSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           119
                                                                                                                                                                                                                                                                                                             104
                                                                                             164
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Q9N535;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  501
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-0CT-2000 (TrEMBLrel. 15, Created)
01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Emb[CAB75482.1.
Arabidopsis thaliana (Mouse-ear cress).
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyte; eudicotyledons; core eudicots; rosids;
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
NCBI_TaxID=3702;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
Sato S., Nakamura Y., Kaneko T., Kato T., Asamizu E., Tabata S., Sato S., Nakamura Y., Kaneko T., Kato T., Asamizu E., Tabata S., Subnitted (APR-1999) to the EMBL/GenBank/DDBJ databases.
EMBL, AB025626; BAB01278.1; -.
GO, GO:0007242; P:intracellular signaling cascade; IEA.
InterPro; IPR011424; Cl 3.
InterPro; IPR000345; CytC_heme_BS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NPCWSRCGEAVSDGDGGERHRAYVQQICTACPLLERLDDVVVDDGEEVMQHSDNSTESDV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q9GYD3 Length: 633 February 4, 2005 13:17 Type: P Check: 7765 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=98146435; PubMed=9477341;
Ivens A.C., Lewis S.M., Bagherzadeh A., Zhang L., Chan H.M.,
Smith D.F.;
"A physical map of the Leishmania major Friedlin genome.";
Genome Res. 8:135-145(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KDVAERRSASAAGAAPSQAGGI TVRRVHNSVEAARAASSRACVHDI HTRSSLAPPGSL
                                                                                                                                                                                                                                                                                  Oliver K., Murphy L., Harris D., Ivens A.C., Quail M.,
Rajandream M.A., Barrell B.G.;
Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pfam, PF00560; LRR_i; 1.
PRINTS; PR00019; LECRICHRPT.
Wypotherical protein.
SEQUENCE 633 AA; 67461 MW; D78916F4AA74893F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      677 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
MEDLINE=20277480; Pubmed=10819329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            clones.";
DNA Res. 7:131-135(2000).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
g9lt64 ; Emb|CAB75482.1.
(from "seq3uni.pep")
TOIG of: q9lt64 check: '
                                                                                                                                                                                                                       SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=Friedlin;
                                                                                                                                                                                                                                                    STRAIN=Friedlin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nakamura Y.;
       DE REPRESENTATION OF THE PROPERTY OF THE PROPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               255
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01-0CT-2000 (TrEMBLrel. 15, Created)
01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
03-0CT-2003 (TrEMBLrel. 25, Last an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Genome sequence of the nematode C. elegans: a platform for investigating biology. The C. elegans Sequencing Consortium."; Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HFKTCQSCGIDHTKVVIGCLKCNYFLDFRCATLPLTVSLPRYDDHPLTLCYGEKSSDKYW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q9LT64 Length: 677 February 4, 2005 13:17 Type: P Check: 7096 ound using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ------|
CDICERETNTETWFYTGSESGVTLHILCVLGDIRYAKPGGNICEGGFVLPNNSSTRPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=Bristol N2;
Holmes A., Elliot G., Cloud J.;
"The sequence of C. elegans cosmid Y12H12A.";
Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Waterston R.;
Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                          77118 MW; 8DDD2E7436D3132C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  279 AA
InterPro; IPR002219; DAG_PB-bind.
InterPro; IPR004146; DC1_
Ptem; PF03107; C1_2; 2.
Pfem; PF07649; C1_3; 5.
SMART; SM0109; C1; 1.
PROSITE; PS00199; C1; 1.
PROSITE; PS00190; C1; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
q9n535 ; Hypothetical protein Y32H12A.6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=Bristol N2;
MEDLINE=99069613; PubMed=9851916;
WormBase Consortium;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (from "seq3uni.pep")
TOIG of: q9n535 check: 9100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  t
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Submitted (MAR-2000)
                                                                                                                                                                                                                                                                                                                                                                                677 AA;
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SEQUENCE FROM N.A.
STRAIN=Bristol N2;
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SEQUENCE FROM N.A.
STRAIN=Bristol N2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            [2]
SEQUENCE FROM N.A.
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TEVELFNTTDTDKOTMERFVEFSFELLLOMDKHLPGMSGEDTEESEVGDDRSESSSDDNE
                                                                                                                                                                                                                                                                                                                                                         Q9N535 Length: 279 February 4, 2005 13:17 Type: P Check: 9100 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Drosophila melanogaster (Fruit fly).
Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Bukaryota: Budopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
NCBI_TaxID=7227;
        Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
                                          Waterston R.;
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                        Waterston R.;
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                Wilson R.;
Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                      to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                 Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                           to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                            279 AA; 31829 MW; 47286DB425912264 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                      EMEL, ACO06731, AAF60484.11, ...
Wormbase, WBGene00021314, Y32H12A.6.
Wormpep, Y32H12A.6, CE21510.
GO; GO:0010181; F:FWN binding; IEA.
InterPro, IPR008254; Flav nitox synth.
PROSTITE; PS50902; Flavonicx synth.
Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT; 1937 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-2000 (TrEMBLrel. 13, Created)
01-0CT-2002 (TrEMBLrel. 22, Last seq
01-MAR-2003 (TrEMBLrel. 23, Last anno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRELIMINARY;
                                                                                   Waterston R.;
Submitted (MAY-2002)
                                                                                                                                      Submitted (NOV-2002)
                                                                                                                                                                                                                                                         WormBase Consortium;
                                                                           STRAIN-Bristol N2;
                                                                                                            SEQUENCE FROM N.A. STRAIN=Bristol N2;
                                                                                                                                                                STRAIN-Bristol N2;
                                                                                                                                                                                                        STRAIN-Bristol N2;
                                  STRAIN-Bristol N2;
                                                                                                                                                                                                SEQUENCE FROM N.A.
                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                        SEQUENCE FROM N.A.
                                                                                                                                                      SEQUENCE FROM N.A.
                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                  STRAIN=Bristol N2
 Waterston R.;
                                                                                                                               Waterston R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                               VEEKHKKŠK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CG3280-PA.
                                                                                                                                                                                                                                                                                                                                             SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q9VT17;
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 211
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SOURNER FROW N.A.

SOURNER FROW N.A.

Adams H.D., Centiker S.B., Holt R.A., Farans C.A., Gocapan J.D.,

Adams H.D., Centiker S.B., Holt R.A., Farans C.A., Gocapan J.D.,

Adams H.D., Centiker S.B., Holt R.A., Farans C.A., Gocapan J.D.,

Adams H.D., Centiker S.B., Holt R.A., Farans C.A., Gocapan J.D.,

Button G.G., Words S.B., Hichards S., Ashburnor M., Henderson S.N.,

Brancon M.C., Rogers J.H., Blazel B.G., Change M., Edicar D.D.,

Brancon M.C., Rogers J.H., Blazel B.G., Change M., Edicar D.D.,

Brancon M.C., Rogers J.H., Blazel B.G., Change M., Edicar D.D.,

Brancon M.C., Rogers J.H., Blazel B.G., Change M., Edicar D.D.,

Brancon M.C., Rogers J.H., Blazel B.G., Change M., Edicar D.D.,

Brancon M.C., Rogers J.H., Blazel B.G., Change M., Edicar D.D.,

Brancon M.C., Rogers J.H., Blazel B.G., Edicar E.D., Bolthekov S.,

Becson K.Y., Benes P.V., Benes B.G., Branch B.D., Brother A., Chandra I.,

Bratis M.C., Blazel B.G., Blazel B.G., Branch B.D., Brother B.D.,

Cherry J.M., Candy S., Dahlke C., Davenport L.B., Davies P.,

Bratis M.C., Milahis D.C., Carrell J.H., Ou Z., Galbar W., Milaris M.C.,

Branch M.L., Harvy D., Halman T.J., Well W.H., Theowaw C.,

Branch M.L., Harvy D., Halman T.J., Well W.H., Theowaw C.,

Branch M.L., Harvy D., Halman T.J., Well W.H., Theowaw C.,

Branch M.L., Marvy D., Halman T.J., Well W.H., Theowaw C.,

Branch M.L., Marvy D., Halman T.J., Well W.H., Theowaw C.,

Branch M.L., Marvy D., Halman T.J., Well W.H., Theowaw C.,

Branch M.L., Marvy D., Halman T.J., Well W.H., Theowaw C.,

Branch M.L., Marvy D., Halman T.J., Well W.H., Theowaw C.,

Branch M.L., Marvy D., Halman T.J., Well W.H., William B. M., Marphill M., Mally D., Marry D., Mally M., Marry D., Mall

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FlyBase; FBgn0027341; Gfat1.

GO; GO:0005737; C:cytoplasm; IEA.

GO; GO:0004360; F:glutamine-fructose-6-phosphate transaminase. . .; IEA.

GO; GO:0016740; F:glutamine-fructose-16-phosphate transaminase. . .; IEA.

GO; GO:0016740; F:transferase activity; IEA.

GO; GO:0016741; F:transferase activity; IEA.

GO; GO:0016051; P:carbohydrate biosynthesis; IEA.

GO; GO:0016051; P:carbohydrate IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Graack H.R., Cinque U., Kress H.;
Functional regulation of glutamine:fructose-6-phosphate
aminotransferase 1 (GPATI) of Drosophila melanogaster in a UDP-N-
acetylglucosamine and cAMP-dependent manner.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=21573685; PubMed=11716769; DOI=10.1042/0264-6021:3600401;
                                                                                                                                                                                                                                                                                                                                                   Q9VI17 Length: 1937 February 4, 2005 13:17 Type: P Check: 9088 Found using 'seg3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SLMFSFIYKINSKEKPLQMLKLENETNTMELKNLLSSIEALRAMTPTTSLYGESTSDGLF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Glucosamine - fructose 6-phosphate aminotransferase.

Name=Gfat1; Synonyms=gfat;
Drosophila melanogaster (Fruit fly).

Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Meoptera; Endopterrygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DDSTSTATWGEDGGGLFSTTAAAALISTTVQRLKCYNWTVKCSKLRRNIISGKHLATT
                                                                                                                                                                                                                                                  EMBL, AE003551; AAF50239.2; -.
FlyBase; FBgn0036017; CG3280.
SEQUENCE 1937 AA; 217137 MW; FD2ED63CBED2FD1A CRC64;
                                                                                                                           to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Graack H.;
Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                  FlyBase;
Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Glucosamine--fructose-6-phosphate aminotransferase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      I-NOV-1999 (TrEMBLrel. 12, Last sequence update)
I-MAR-2004 (TrEMBLrel. 26, Last annotation update)
systematic review.";
Genome Biol. 3:RESEARCH0083-RESEARCH0083(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            694 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1 to: 694
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT;
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InterPro; IPR00585; GlmS_trans.
InterPro; IPR001347; SIS.
Pfam; PP00310; GATase_2; 1.
Pfam; PP01380; SIS; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Biochem. J. 360:401-412(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; Y18628; CAB46365.1;
HSSP; P17169; 1GDO.
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                                                                                                                      Submitted (SEP-2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
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TOIG of: q9y093 che
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514
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AEDLINE-ZIJ37 Biovar Mediaevalis;
MEDLINE-Z2137863; PubMed=12142401.
DOI=10.1128/JB.184.184.164611-2002;
Deng W., Burland V., Plunkett G. III, Boutin A., Mayhew G.F., Liss P., Perna N.T., Rose D.J., Mau B., Zhou S., Schwartz D.C.,
Fetherston J.D., Lindler L.E., Brubaker R.R., Plano G.V.,
Straley S.C., McDonough K.A., Nilles M.L., Matson J.S., Blattner F.R.,
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(from "seq3uni.pep")
TOIG of: stha_yerpe check: 8 from: 1 to: 466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDINE-21470413; PubMed=11586360; DOI=10.1038/35097083; Parkhill J., Wren B.W., Thomson N.R., Titball R.W., Holden M.T.G., Parkhill J., Wren B.W., Thomson N.R., Titball R.W., Holden M.T.G., Barkhill J., Babham D., Bentley S.D., Churcher C.W., Mungall K.L., Baker S., Basham D., Bentley S.D., Brooks K., Cerdeno-Tarraga A.-M., Chillingworth T., Cronin A., Davies R.M., Davis P., Dougan G., Feltwell T., Hamiln N., Holroyd S., Jagels K., Karlyshev A.V., Leather S., Moule S., Oyston P.C.F., Quail M.A., Rutherford K.M., Simmonds M., Skelton J., Stevens K., Whitehead S., Barrell B.G.; "Genome sequence of Yersinia pestis, the causative agent of plague.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
Soluble pyridine nucleotide transhydeogenase (EC 1.6.1.1) (STH)
(NAD(P)(+) transhydrogenase (B-specific)).
Name=sthA, Synonyms=udhA, OrderedLocusNames=YPO3914, y0321, YP3134;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Yersinia.
                                                                                                                                                                                                                                                                                                                                                   IKTKTRLATDHIPILYGKDDKKLCTDQDADSGKPQDIRPHGQSRELPVLPRSESTSEFMP
                                                                                                                                                          Length: 694 February 4, 2005 13:17 Type: P Check: 7927 Ing 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LEEKEVEY FFASDASAVI EHTNRVI YLEDDDVAAVRDGTLS IHRLKKSLDDPHAREIT
                                                                                              694 AA; 78124 MW; 57286BA7D4F7D328 CRC64;
TIGRFAMS; TIGRO1135; glmS; 1.
PROSITE; PS00443; GATASE_TYPE_II; UNKNOWN_1.
Aminotransferase; Transferase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Genome sequence of Yersinia pestis KIM."; J. Bacteriol. 184:4601-4611(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             [1] __
SEQUENCE FROM N.A.
STRAIN=CO-92 / Biovar Orientalis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Yersinia pestis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=632;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STHA YERPE
                                                                                                    SEQUENCE
                                                                                                                                                                                               using
                                                                                                                                                              Q9Y093
                                                                                                                                                                                                   Found
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energy generation (By similarity)

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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation-the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                -1- CATALYTIC ACTIVITY: NADPH + NAD(+) = NADP(+) + NADH.
-1- COFACTOR: Binds 1 FAD per subunit (By similarity).
-1- SUBCELLULAR LOCATION: Cytoplasmic (By similarity).
-1- SIMILARITY: Belongs to the class-I pyridine mucleotide-disulfide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Primi, PR0285; Pyr_ecdox dim; 1.

PRINTS; PR00419; ADXRDTASE.

PRINTS; PR00486; FADPNR.

PRINTS; PR00411; PNDRDTASE.

PRODOM; PD000139; FAD pyr_redox; 1.

Complete proteome; FAD; Plavoprotein; NAD; NADP; Oxidoreductase.

SEQUENCE 466 AA; 51382 MW; D6CD965D6CF3E2CE CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STHA YERPE Length: 466 February 4, 2005 13:17 Type: P Check: 8 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ikssfadilnhadrvinqqtrmrqgfydrnhchmfsgdasfidantvnvryadgtsdtlc
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ADNIVIATGSRPYRPVNVDFNHERIYDSDTILQLSHEPQHVIIYGAGVIGCEYASIFR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total Elapsed 00:00:00:00
                                                                                                                                                                                                                                                                                                                                                                                                      HAWAP; MF_00247; -; 1.
InterPro; IPR000759; Adrindx_reductage.
InterPro; IPR001327; FAD_pyr_redox.
InterPro; IPR000815; Hg_reductage.
InterPro; IPR000205; NAD_BS.
InterPro; IPR001100; Pyr_redox.
InterPro; IPR004099; Pyr_redox.
InterPro; IPR004099; Pyr_redox.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -- Search Statistics --
                                                                                                                                                                                                                                                                                                    EMBL; AJ414159; CAC93380.1; -.
EMBL; AE013631; AAM83912.1; ALT_INIT.
EMBL; AA017139; AAS63304.1; -.
PIR; AH0476; AH0476.
                                                                                                 oxidoreductase family.
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00:00:00.01
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Number of sequence hits:
Number of separate matches:
Number of sequence hits saved:
                                                                                                                                                                                                                                                                                                                                                                                       HSSP; P18925; 3LAD.
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139
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Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "mohamed337.kev":
                                                             Quick User-directed Expression Search Tool
5.4
                                                                                                         -- Outline of search "seq4_ags"
                                                                                                                                             elected scope is Sequence.
elected sequence key from "mohamed337.key";
seq4 (AA) ID seq4 AA preliminary pattern
followed by
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s or g or a or t
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File : seq4ags.pep

-- Output Parameters

No No Yes Yes Yes	
File Options: Indirect file Sequence or key file List of hits Hit display Name and annotations	
Exact No Yes Yes Yes	
Format Options: Nucleic acid code matching Estimate on the one of the one of the one of the option	

un Parameter	Batch
	Run mode
	Run Parameters

. match found in sequence: aab07484; Amino acid sequence of an extendin-4 fragment. (from "seq4ags.pep") TOIG of: aab07484 "heck: 4889 from: 1 to: 30

No w

Time to start comparison Notify at end of run

AAB07484 standard; peptide; 30 AA

AAB07484; SXB

The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic extythems or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes. Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes. Amino acid sequence of an extendin-4 fragment. /note= "optionally amidated" Location/Qualifiers Disclosure, Page 12; 96pp; English. 14-JAN-1999; 99US-0116380P. 30-APR-1999; 99US-0132017P. 10-JAN-2000; 2000US-0175365P. 14-JAN-2000; 2000WO-US000942 (first entry) (AMYL-) AMYLIN PHARM INC Young A, Gedulin B; WPI; 2000-490999/43. Heloderma suspectum Sequence 30 AA; WO200041548-A2 Modified-site 20-OCT-2000 20-JUL-2000 Synthetic. diabetes

4, 2005 13:20 Type: P Check: 4889 AAB07484 Length: 30 February 4, Found using 'seq4' (mohamed337.key

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG 28

match found in sequence: aab07485 ; Amino acid sequence of an extendin-4 fragment. to: 28 from: 1 AAB07485 standard, peptide; 28 AA check: 700 20-OCT-2000 (first entry) (from "seq4ags.pep TOIG of: aab07485 AAB07485; 田城路城路城田

Amino acid sequence of an extendin-4 fragment

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The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonnen. The method is also useful for Inversing hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; dlabetes.
         Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB07485 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
abb7486, Amino acid sequence of an extendin-4 fragment.
(from "seq4ags.pep")
TOIG of: aab07486 check: 9131 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amino acid sequence of an extendin-4 fragment.
                                                                                                                                                                        /note= "optionally amidated"
                                                                                                                       Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 12; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB07486 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKOMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                              14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                             14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                                                                                                                                                                                                                                     AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                      Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-490999/43.
                                                                                    suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                           WO200041548-A2
                                                                                                                                                    Modified-site
                                                                                                                                                                                                                                            20-JUL-2000
                                                                                                      Synthetic.
                                                                                    Heloderma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB07486;
                                                                                                                                                                                                                                                                                                                                                                                                                        Young A,
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The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering blasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                      Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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aab07487 ; Amino acid sequence of an extendin-4 fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amino acid sequence of an extendin-4 fragment.
                                                                                                /note= "optionally amidated"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQLEEEAVRLF1EFLKNGGPSSGAPPPS
                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 12; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
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                                                                                                                                                                                                                                  14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                          Young A, Gedulin B;
                Heloderma suspectum.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
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TOIG of: aab07487
                                                                                                                                     WO200041548-A2
                                                                   Key
Modified-site
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                                                                                                                                                                      20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diabetes
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Heloderma suspectum Synthetic.

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The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, the method is useful for lowering plasma glucagonemia. The method is also useful for treating the hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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                                                                                                                                                                                                                                                                                                                                              Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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Found using 'seq4' (mohamed337.key)
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aab11126 ; exendin agonist SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKQLEEEAVRLAIBFLKN
28
                                                                                                                            99US-0116380P.
                                                                                                                                                     30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P.
                                                                                     14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                             Young A, Gedulin B;
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TOIG of: aab11126
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  WO200041548-A2
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                                          20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonem. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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Found using 'seq4' (mohamed337.key)
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aab07488 ; Amino acid sequence of an extendin-4 fragment.
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                                          /note= "optionally amidated"
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Location/Qualifiers
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                                                                                                                                                                                                                  14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                     Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-490999/43.
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TOIG of: aab07488
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  Key
Modified-site
                                                                                        WO200041548-A2
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                       Young A,
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30

Check: 4889

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                30 February 4, 2005 13:19 (mohamed337.key)
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                                                                                                                                                                                                                                                                                               match found in sequence:
aablil28; exendin agonist SEQ ID NO 40.
(from "seq4ags.pop")
TOIG of: aablil28 check: 700 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                  A.
                                                                                                                                                                                                          HGEGTFTSDLSKOMEEEAVRLF1EWLKNGG
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(from "seq4ags.pep")
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin agonist SEQ ID NO 40.
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10-JAN-2000; 2000US-0175365P.
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                       or reducing food intake
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                                                                    Sequence 30 AA;
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                                                                                                                Length:
g 'seq4'
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g 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11128;
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                                                                                                                   AAB11127
  SSSS
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                                                                                                                formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                         Kolterman O;
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                                                                                                                                                                                     Disclosure; Page 25; 281pp; English
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aablil27; exendin agonist SEQ ID NO 7.
(from "seq4ags.pep")
TOIG of: aablil27 check: 4889 from:
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10-JAN-2000; 2000US-0175365P.
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                         L'italien JJ,
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                                                                      WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 30 AA;
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                            Young A,
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                                                                                                                     New
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Synthetic.

AAB11129

Young A,

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                         formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                              Kolterman O;
                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 26; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
aablilili ; exendin agonist SEQ ID NO
(from "seq4ags.pep")
TOIG of: aablilil check: 151 from:
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HGEGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                                                             14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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                                                        14-JAN-2000; 2000WO-US000902
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                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                            Young A, L'italien JJ,
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                20-JUL-2000
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                                                                                                                                                                                              Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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to: 39
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HGEGTFTSDLSKQLEERAVRLFIBFLKNGGPSSGAPPPS
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from: 1
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aablillo; exendin agonist SEQ ID NO 41.
(from "seq4ags.pep")
TOIG of: aablill30 check: 261 from: 1
                                     39 AA
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                                                                                                                                                           exendin agonist SEQ ID NO 9.
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                                       AAB11129 standard; peptide;
check: 9131
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TOIG of: aab11129
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Synthetic

AAB11130;

BX8XEXEXEXEX BX8XXEXEXEXEX BX8XXEXEXEX BX8XXEXEX BX8XXEX BXXXEX BXXX BXXXEX BXXXEX BXXX BXXXEX BXXX BXXX BXXX BXXXX BXXXX BXXX B

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                             This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                AAB11131 Length: 28 February 4, 2005 13:19 Type: P Check: 151
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
abbill34; exendin agonist peptide SEQ ID NO 42.
(from "seq4ags.pep")
TOIG of: aablil34 check: 249 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 42.
               Disclosure; Page 26; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11134 standard; peptide; 28 AA
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                                                                                                                                                                                                                Sequence 28 AA;
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Check: 249

AAB11134 Length: 28 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                 Exendin, agoniet, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                           . match found in sequence:
aabl1135; exendin agonist peptide SEQ ID NO 43.
(from "seq4ags.pep")
TOIG of: aabl1135 check: 166 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aabl1136; exendin agonist peptide SEQ ID NO 44. (from "seq4ags.pep")
TOIG of: aabl1136 check: 231 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman O;
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                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 43.
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HAEGTFTSDLSKOLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P.
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20-JUL-2000.
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                            Young A,
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                           Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                February 4, 2005 13:19 Type: P Check: 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aab11137 ; exendin agonist peptide SEQ ID NO 45.
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         exendin agonist peptide SEQ ID NO 44.
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                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTATSDLSKQLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                           or reducing food intake
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TOIG of: aab11137
                                                                          WO200041546-A2.
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                                                        Synthetic
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                                                                                                                                                                                    Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the
                                                                                                                                                                                                                                                                                                                                                                               This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to inaulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                        formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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TOIG of: aabl1138 check: 151 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                   Example 52; Page 130; 281pp; English.
                                                                      Kolterman
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HGEGTFTADLSKQLEEEAVRLFIEFLKN
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(AMYL-) AMYLIN PHARM INC
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                                                                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
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                                                                                                                                     WPI; 2000-514584/46
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aab11140 ; exendin agonist peptide SEQ ID NO 48.
                                                     This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                         AAB11138 Length: 28 February 4, 2005 13:19 Type: P Check: 151 Found using 'seq4' (mohamed337.key)
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aabl1139; exendin agonist peptide SEQ ID NO 47.
(from "seq4ags.pep")
TOIG of: aabl1139 check: 63 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 47.
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HGEGTFTSDASKQLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P.
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                                       or reducing food intake
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                                                                  Sequence 28 AA;
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  8X33333
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HGEGTFTSDLAKQLEEEAVRLFIEFLKN 28

1 match found in sequence:

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                              Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 48
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(from "seq4ags.pep")
TOIG of: aab11141 check: 53 from: 1
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                                                                              AAB11140 standard; peptide; 28
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10-JAN-2000; 2000US-0175365P.
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(from "seq4ags.pep")
TOIG of: aab11140 c
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                                                                                                                                    AAB11140;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aabl1143; exendin agonist peptide SEQ ID NO 51.
(from "seq4ags.pep")
TOIG of: aabl1143 check: 201 from: 1 to: 28
                                                                     Example 57; Page 133-134; 281pp; English.
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HGEGTFTSDLSKQAEEEAVRLFIEFLKN
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  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabii142 ; exendin agonist peptide SEQ ID NO 50.
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10-JAN-2000; 2000US-0175365P
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10-JAN-2000; 2000US-0175365P
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TOIG of: aab11142 check: 107
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                       WO200041546-A2
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                                                                                                                                                                                                                                                                                Young A,
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Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.

exendin agonist peptide SEQ ID NO 53

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                             Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11143 Length: 28 February 4, 2005 13:19 Type: P Check: 201 oun'd using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                plasma glucose; gastric emptying; food intake
                                                                                                                  match found in sequence:
aabl1144, exendin agonist peptide SEQ ID NO 52.
(from "seq4ags.pep")
TOIG of: aabl1144 check: 197 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 59; Page 135; 281pp; English.
                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 52
                                                                                                                                                                                            AAB11144 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQLEAEAVRLFIEFLKN
                                              |-----HGEGTFTSDLSKQLAEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-514584/46.
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                 Found using 'seg4'
                                                                                                                                                                                                                                                       20-FEB-2001
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                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                          AAB11144;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young A,
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formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.

Example 60; Page 136; 281pp; English.

Kolterman O;

L'italien JJ,

Young A,

WPI; 2000-514584/46.

New

(AMYL-) AMYLIN PHARM INC.

14-JAN-2000; 2000WO-US000902. 14-JAN-1999; 99US-0116380P. 10-JAN-2000; 2000US-0175365P.

WO200041546-A2.

Synthetic.

20-JUL-2000.

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Check: 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P
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g 'seq4' (mohamed337.key)
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TOIG of: aab11146
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1 match found in sequence:
aab11145; exendin agonist peptide SEQ ID NO 53.
(from "seq4ags.pep")
TOIG Of: aab11145 check: 193 from: 1 to: 28

AAB11145 standard; peptide; 28 AA

AAB11145

RXR

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Synthetic
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 8888888888
                                                                                                                                                                                                                                             This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   peptide used
treat diabetes.
                                                                                                                                                                                                                                                                             Check: 9862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  formulations comprising an exendin or exendin agonist increasing the sensitivity of a subject to insulin to
                                                                                                                                                                                                                                                                             Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                  to: 28
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aabl1147; exendin agonist peptide SEQ ID NO 55.
(from "seq4ags.pep")
TOIG of: aabl1147 check: 9921 from: 1 to: 28
                                                                                                                                                                                                                                                                            Length: 28 February 4, 2005 13:19
g 'seq4' (mohamed337.key)
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                                                      Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin agonist peptide SEQ ID NO 55.
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                                                                                                                                Example 61; Page 137; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                       28 AA
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HGEGTFTSDLSKQLEEEAARLFIEFLKN
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14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                       AAB11147 standard; peptide;
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                                 (AMYL-) AMYLIN PHARM INC
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                                                    L'italien JJ,
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                                                                           WPI; 2000-514584/46
                                                                                                                                                                                                                                                       Sequence 28 AA;
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                                                      Young A,
                                                                                                                                                                                                                                                                             AAB11146
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                         Type: P Check: 9921
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TOIG of: aab11148 check: 30 from: 1
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HGEGTFTSDLSKQLEEEAVALFIEFLKN
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match

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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TOIG of: aab11151 check: 9975 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 65; Page 140; 281pp; English
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1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11151 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB11150 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                               14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                         14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                            Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         food intake
                                                                                                                                                                                                                                                                                                                                        WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               I match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
                                                           WO200041546-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-JAN-1999;
                                                                                                                                                                                         14-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-FEB-2001
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                                                                                                     20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or reducing
                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11151;
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB11149 Length: 28 February 4, 2005 13:19 Type: P Check: 165 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                      plasma glucose; gastric emptying; food intake
                                   aabl1149; exendin agonist peptide SEQ ID NO 57. (from "seq4ags.pep")
TOIG of: aabl1149 check: 165 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         aabili50; exendin agonist peptide SEQ ID NO 58. (from "seq4ags.pep")
TOIG of: aabili50 check: 136 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 58.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 64; Page 139; 281pp; English.
                                                                                                                                                                                                                                                      exendin agonist peptide SEQ ID NO 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11150 standard; peptide; 28 AA
                                                                                                                         AAB11149 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKQLEEEAVRLFIAFLKN
1
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10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-JAN-2000; 2000WO-US000902
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                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         L'italien JJ,
                      found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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                                                                                                                                                                                                            20-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                               20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                     AAB11149;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A,
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ZZXZZZZZZ Z

Sequence 28 AA;

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                       This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                   formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                              Check: 9975
                                                                                                                                                                                                                                                                                                                            28 February 4, 2005 13:19 Type: P (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aabii152 ; exendin agonist peptide SEQ ID NO 60.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 60
                                                                                     Example 66; Page 140; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 67; Page 141; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11152 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKQLEEEAVRLFIEFAKŇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                check: 9991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                      or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-514584/46.
WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aab11152 c
                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                            AAB11151 Length:
Found using 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young A,
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exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic extivity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                              Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention describes a novel formulation (I) comprising an exendin or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
   Type: P Check: 9991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Type: P Check: 9897
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                                                                                                                                                                                                    to: 28
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aab11154 ; exendin agonist peptide SEQ ID NO 62.
                                                                                                                                                                  61.
AAB11152 Length: 28 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11153 Length: 28 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                              1 match found in sequence:
aablils3; exendin agonist peptide SEQ ID NO
[from "seq4ags.pep")
TOIG of: aablil53 check: 9897 from: 1 to:
                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 61.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 68; Page 142; 281pp; English.
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                                                                                                                                                                                                                                      AAB11153 standard; peptide; 28 AA
                                                                       HGEGTFTSDLSKQLEEEAVRLFIEFLAN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                           20-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200041546-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (from "seq4ags.pep'
TOIG of: aab11154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-JUL-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                         AAB11153;
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AAB11154 standard; peptide; 38 AA.

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                               Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Type: P Check: 6333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11154 Length: 38 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aab11155 ; exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                  Kolterman O;
                                                                                exendin agonist peptide SEQ ID NO 62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 69; Page 143; 281pp; English.
                                                                                                                                                                                                                                                                14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                                                                               14-JAN-1999; 99US-0116380P.
                                                (first entry)
                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                 #PI; 2000-514584/46.
                                                                                                                                                                                                WO200041546-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 38 AA;
                                              20-FEB-2001
                                                                                                                                                                                                                                 20-JUL-2000
                                                                                                                                                                Synthetic.
                 AAB11154;
                                                                                                                                                                                                                                                                                                                                                                                  Young A,
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake

Check: 5894

Type: P

2005 13:19

38 February 4, (mohamed337.key)

AAB11155 Length: Found using 'seq4'

Sequence 38 AA;

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP

1 match found in sequence:
aablilis6; exendin agonist peptide SEQ ID NO 64.
(from "seq4ags.pep")
TOIG Of: aablilis6 check: 3293 from: 1 to: 37

AAB11156 standard; peptide; 37 AA

AAB11156;

New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.

Example 70; Page 143; 281pp; English.

#X##X#X#X#X#X#X#F#X

ö

Kolterman

Young A, L'italien JJ,

WPI; 2000-514584/46

(AMYL-) AMYLIN PHARM INC.

14-JAN-2000; 2000WO-US000902 14-JAN-1999; 99US-0116380P.

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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                plasma glucose; gastric emptying; food intake
                                                                exendin agonist peptide SEQ ID NO 64.
                                                                                                                                                                                                                                                                   Kolterman O;
                                                                                                                                                                                                                                                                                                                                             Example 71; Page 144; 281pp; English
                                                                                                                                                                                                           14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                       14-JAN-2000; 2000WO-US000902.
                                           (first entry)
                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                   L'italien JJ,
                                                                                                                                                                                                                                                                                        WPI; 2000-514584/46.
                                                                                                                                           WO200041546-A2.
                                           20-FEB-2001
                                                                                                                                                                  20-JUL-2000.
                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                   Young A,
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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.

WO200041546-A2.

Synthetic.

20-JUL-2000

exendin agonist peptide SEQ ID NO 63.

(first entry)

20-FEB-2001

AAB11155;

to: 38

from: 1 Ą.

check: 5894

(from "seq4ags.pep" TOIG of: aab11155

AAB11155 standard; peptide; 38

Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.

Synthetic.

exendin agonist peptide SEQ ID NO 66.

20-FEB-2001

AAB11158;

aabili58; exendin agonist peptide SEQ ID NO 66. (from "seq4ags.pep") TOIG of: aabili58 check: 333 from: 1 to: 36

match found in sequence:

28

AAB11158 standard; peptide; 36 AA

seq4_ags.res

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                              Check: 3293
                                                                                                                                                                                                                Type: P
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                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aab11157 ; exendin agonist peptide SEQ ID NO 65.
                                                                                                                                                                                                              AAB11156 Length: 37 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKOMEERAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 72; Page 145; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                             from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB11157 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq4ags.pep")
TOIG of: aab11157 check: 2854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 37 AA;
                                                                                                                                                                        Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200041546-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11157;
   8888888888888
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Check: 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aab11159 ; exendin agonist peptide SEQ ID NO 67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11158 Length: 36 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 73; Page 146; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                  Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin agonist peptide SEQ ID NO 67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check: 9894 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB11159 standard; peptide; 36 AA
                                                                                                                                                                                                                                               14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                                      10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                 Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 36 AA;
                                                                                                                                                                                      WO200041546-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (from "seq4ags.pep
TOIG of: aab11159
                                                                                                                                                                                                                                                                            14-JAN-1999;
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                                                                                                                                                                                                                  20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11159;
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Type: P Check: 2854

AAB11157 Length: 37 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)

Found using 'seq4'

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Check: 9894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P
                plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11159 Length: 36 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                    Example 74; Page 146-147; 281pp; English.
                                                                                                                                                                                                                                                                              Kolterman O;
                                                                                                                                                                                       14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                      14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                              L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or reducing food intake
                                                                                                                                                                                                                                                                                                               WPI; 2000-514584/46.
                                                                                   WO200041546-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 36 AA;
                                                                                                                       20-JUL-2000
                                                  Synthetic
                                                                                                                                                                                                                                                                              foung A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying

Type: P

2005 13:19

AAB11160 Length: 35 February 4, Found using 'seq4' (mohamed337.key)

or reducing food intake

Sequence 35 AA;

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA

35

aab11161; exendin agonist peptide SEQ ID NO 69. (from "seq4ags.pep") TOIG of: aab11161 check: 7014 from: 1 to: 35

1 match found in sequence

AAB11161 standard; peptide; 35 AA

formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.

Example 75; Page 147; 281pp; English.

Kolterman O;

Young A, L'italien JJ,

WPI; 2000-514584/46

New

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                       Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                   Kolterman O;
                                                                                           exendin agonist peptide SEQ ID NO 69.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 76; Page 148; 281pp; English.
                                                                                                                                                                                                                                                                     14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                                                    14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                 L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-514584/46.
                                                                                                                                                                                                      WO200041546-A2.
                                                                                                                                                                                                                                                                                                 14-JAN-1999;
                                                             20-FEB-2001
                                                                                                                                                                                                                                     20-JUL-2000.
                                                                                                                                                                         Synthetic.
                               AAB11161;
                                                                                                                                                                                                                                                                                                                                                                                 Young A,
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Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes, plasma glucose; gastric emptying, food intake.

10-JAN-2000; 2000US-0175365P.

(AMYL-) AMYLIN PHARM INC

99US-0116380P

14-JAN-1999;

14-JAN-2000; 2000WO-US000902

WO200041546-A2

Synthetic

20-JUL-2000

exendin agonist peptide SEQ ID NO 68.

20-FEB-2001

AAB11160;

to: 35

from: 1

check: 7453

(from "seq4ags.pep" TOIG of: aab11160

AAB11160 standard; peptide; 35 AA

aab11160 ; exendin agonist peptide SEQ ID NO 68.

1 match found in sequence:

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP

AAB11161

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                        Exendin, agonist, treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Type: P Check: 4739
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11163 Length: 34 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 78; Page 149-150; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                              exendin agonist peptide SEQ ID NO 71.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 72.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aablil64; exendin agonist peptide SEQ ID
(from "seq49gs.pep,"
TOIG of: aablil64 check: 2764 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSG
                    AAB11163 standard; peptide; 34 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11164 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                                                                                                                                                                             99US-0116380P.
                                                                                                                                                                                                                                                                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P
                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 34 AA;
                                                                                                                                                                                                                                                                                                 WO200041546-A2.
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                                                                                                        20-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                             14-JAN-1999;
                                                                                                                                                                                                                                                                                                                                           20-JUL-2000.
                                                                                                                                                                                                                                                      Synthetic.
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                                                              AAB11163;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11164;
                      This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                  Check: 7014
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                                                                                35 February 4, 2005 13:19 Type: P (mohamed337.key)
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   aabl1163 ; exendin agonist peptide SEQ ID NO 71.
   (from "seq4ags.pep")
   TOIG of: aabl1163 check: 4739 from: 1 to: 34
                                                                                                                                                                                                                                                  . match found in sequence:
aabl1162; exendin agonist peptide SEQ ID NO 70.
(from "seq4ags.pep")
TOIG of: aabl1162 check: 5178 from: 1 to: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11162 Length: 34 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                     |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO 70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSG
                                                                                                                                                                                                                                                                                                                                                               AAB11162 standard; peptide; 34 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    L'italien JJ,
or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 34 AA;
                                          Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200041546-A2
                                                                                  AAB11161 Length:
Found using 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young A,
                                                                                                                                                                                                                                                                                                                                                                                                         AAB11162
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AAB11166 Length: 32 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)
   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin, agonist; treatment; antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                            AAB11164 Length: 33 February 4, 2005 13:19 Type: P Check: 2764 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                             to: 33
                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aabil165 ; exendin agonist peptide SEQ ID NO 73.
                                                                                              Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman O;
                                                                                                                                                                     Example 79; Page 150; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 73.
                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11165 standard; peptide; 33 AA
                                         14-JAN-1999; 99US-0116380P.
                     14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                             check: 2325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                        (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
                                                                                             L'italien JJ,
                                                                                                                                                                                                                                                                   reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         L'italien JJ,
                                                                                                                 WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq4ags.pep")
TOIG of: aab11165
                                                                                                                                                                                                                                                                                        Sequence 33 AA;
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20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                             Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin;
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length: 33 February 4, 2005 13:19 Type: P Check: 2325
1 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aab11166 ; exendin agonist peptide SEQ ID NO 74.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 74.
Example 80; Page 151; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 81; Page 152; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11166 standard; peptide; 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-JAN-2000; 2000WO-US000902.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 25
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                                                                                                                                                                                                                                                                                                                                 or reducing food intake
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TOIG of: aab11166
                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 33 AA;
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Check: 25

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                 Exendin, agoniet, treatment, antidiabetic; insulin sensitivity, diabetes, plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabl1169 ; exendin agonist peptide SEQ ID NO 77.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11168 Length: 31 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
exendin agonist peptide SEQ ID NO 76.
                                                                                                                                                                                                                                                                                                                                                           Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 77.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 83; Page 153; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from: 1
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  check: 6930
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                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                           Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 31 AA;
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                                                                                                                                      WO200041546-A2
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TOIG of: aab11169
                                                                                                                                                                             20-JUL-2000.
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                                                                                                 Synthetic
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                                                                                                                                                                                                                                                                                                                                                           Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                          to: 32
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aab11168 ; exendin agonist peptide SEQ ID NO 76.
                                                                                                                     NO 75.
                                                                                               l match found in sequence:
aabli167; exendin agonist peptide SEQ ID
(from 'seq4ags.pep')
TOIG of: aabli167 check: 9586 from: 1
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                                                                                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 75.
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HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPS
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                              (first entry)
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f: aab11168
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                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
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TOIG of: (from

seq4_ags.res

disorders

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would benefit from agents which lower plasma glucose levels and which would benefit from agents that delay and/or slow gastric e or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                       exendin agonist peptide SEQ ID NO 79.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 86; Page 156; 281pp; English.
                                                                                                                                                                                                                                                                      AAB11171 standard; peptide; 29 AA
                                                                                                                                           HGEGTFTSDLSKQLEEBAVRLFIEFLKNGG
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
28
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                                                                                                                                                                                                                                         check: 2759
                                                                                                                                                                                                                                                                                                                            (first entry)
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                                                                                   AAB11170 Length: 30 Found using 'seq4' (mo
                                                                                                                                                                                                                              (from "seq4ags.pep")
TOIG of: aab11171
                                                          Sequence 30 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A,
  88888
                                                                                                                                                                                                                                                                       This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which
                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                           AAB11169 Length: 31 February 4, 2005 13:19 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; agonist; treatment; antidiabetic; in:
plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aab11170 ; exendin agonist peptide SEQ ID NO 78.
                             Kolterman O;
                                                                                                                           Example 84; Page 154; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from: 1
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
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(AMYL-) AMYLIN PHARM INC
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                           L'italien JJ,
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                                                       WPI; 2000-514584/46
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TOIG of: aab11170
                                                                                                                                                                                                                                                                                  Sequence 31 AA;
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                             Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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emptying
                                                                                                                                                                                  Check: 4450
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                                                                                                                                                                                  Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aabil171 ; exendin agonist peptide SEQ ID NO 79.
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aab11172 ; exendin agonist peptide SEQ ID NO 80.
                                                                                                                                                                              30 February 4, 2005 13:19 (mohamed337.key)
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                            New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aablil74; exendin agonist peptide SEQ ID NO 82.
(from "seq48g.pep")
TOIG of: aablil14 check: 6333 from: 1 to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11173 Length: 38 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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                                                                                                                                                                                                                                                                                                                                                                     Example 88; Page 157; 281pp; English.
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                                                                                14-JAN-2000; 2000WO-US000902
                                                                                                                             99US-0116380P
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                           L'italien JJ,
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    WO200041546-A2
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                                                                                                                                                                                                                               Young A,
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    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                         Exendin; agonist, treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                     59
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(from "seq4ags.pep")
TOIG of: aab11173 check: 6333 from: 1 to: 38
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                                                                                                                                                                                       exendin agonist peptide SEQ ID NO 80.
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                     from: 1
                                                             AAB11172 standard; peptide; 29 AA
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10-JAN-2000; 2000US-0175365P
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                     check: 2320
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(from "seq4ags.pep")
TOIG of: aab11172 c
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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for increasing the sensitivity of a subject to insulin to treat diabetes.
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(from "seq4ags.pep")
TOIG Of: amblin's check: 3541 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11174 Length: 38 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                   Example 89; Page 158; 281pp; English
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AAB11175 Length: 37 February 4, 2005 13:19 Type: P Check: 3541

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exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic extivity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                          Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Type: P Check: 4125
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                                                                                                                           peptide SEQ ID NO 84.
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Found using 'seq4' (mohamed337.key)
                                            HGEGTFTSDLSKOMEEBAVRLFIEWLKNGGXSSGAPP
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 84
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TOIG of: aab11177 check: 3293 from: 1
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Found using 'seq4' (mohamed337.key)
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                                                                                                         1 match found in sequence:
aab11176 ; exendin agonist
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                                                                                                                                              (from "seq4ags.pep")
TOIG of: aab11176 (
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic
                                                                                                                                                                                                                                                                      This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to inculin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                  formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11179; exendin agonist peptide SEQ ID NO
(from "seq4ags.pep")
TOIG of: aab11179 check: 7463 from: 1 to:
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
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                                                                                                                                                                                                                                     Example 93; Page 161; 281pp; English
                                                                                  Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Z
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10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P
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                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                              or reducing food intake
                                                                                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-514584/46
                                                                                                                            WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 36 AA;
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                                                                                    Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New
  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                             Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   natch found in sequence:
aabl1178; exendin agonist peptide SEQ ID NO 86..
(from "seq4ags.pep")
TOIG of: aabl1178 check: 333 from: 1 to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPP
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                                          exendin agonist peptide SEQ ID NO 85.
                                                                                                                                                                                                                                                                                                                                                                                                                                Kolterman O,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 92; Page 160; 281pp; English
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                                                                                                                                                                                                                                                                               14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 37 AA;
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  20-PEB-2001
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                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                Young A,
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AAB11178

seq4_ags.res

match found in sequence:

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activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                Check: 7463
                                                                                                                                                Type: P
                                                                                                                                                                                                                                                                                                                                            to: 30
                                                                                                                                                                                                                                                                                                             NO 88.
                                                                                                                                             AAB11179 Length: 35 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                      |-----|
RGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
                                                                                                                                                                                                                                                                                      match found in sequence:
aablils0; exendin agonist peptide SEQ ID |
(from "seq4ags.pep")
TOIG of: aablils0 check: 4886 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      exendin agonist peptide SEQ ID NO 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                               30 AA
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10-JAN-2000; 2000US-0175365P
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                                                                                                           Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200041546-A2.
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                                                                                                                                                               Found using 'seq4'
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                                                                                                                                                                                                                                                                                        1 match
   88888888
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AAB11180 Length: 30 February 4, 2005 13:19 Type: P Check: 4886 ound using 'seq4' (mohamed337.key)

Found using 'seq4'

HGDGTFTSDLSKQMEEBAVRLFIEWLKNGG

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                            Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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abili81; exendin agonist peptide SEQ ID NO 89. (from "seq4ags.pep")
TOIG of: aabili81 check: 231 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aabl1182; exendin agonist peptide SEQ ID NO 90.
(from "seq4ags.pep")
TOIG of: aabl1182 check: 693 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 96; Page 163-164; 281pp; English
                                                                                                                                                                           exendin agonist peptide SEQ ID NO 89.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young A, L'italien JJ, Kolterman O;
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                                                                       AAB11181 standard; peptide; 28
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                                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                              Synthetic.
                                                                                                         AAB11181;
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   aab11181 ;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower phasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                   formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                            Type: P Check: 701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
abblil84; exendin agonist peptide SEQ ID NO 92.
(from "seq4ags.pep")
TOIG Of: aablil84 check: 649 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                         AAB11183 Length: 28 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                         Example 98; Page 165; 281pp; English
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                   or reducing food intake
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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aabl1183; exendin agonist peptide SEQ ID NO 91.
(from "seq4ags.pep")
TOIG of: aabl1183 check: 701 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                     Kolterman O
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10-JAN-2000; 2000US-0175365P
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                   L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                     Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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aabili87; exendin agonist peptide SEQ ID NO 95.
(from "seq4ags.pep")
TOIG of: aabili87 check: 654 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 101; Page 167; 281pp; English
                                                                                       exendin agonist peptide SEQ ID NO 94.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A, L'italien JJ, Kolterman O;
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10-JAN-2000; 2000US-0175365P
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                                           (first entry)
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AAB11186;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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                   Check: 649
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                28 February 4, 2005 13:19 Type: P (mohamed337.kev)
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aablil85; exendin agonist peptide SEQ ID NO 93.
(from "seq4ags.pep")
TOIG of: aablil85 check: 211 from: 1 to: 28
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aabl1186 ; exendin agonist peptide SEQ ID NO 94.
(from "seq4ags.pep")
TOIG of: aabl1186 check: 151 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 93.
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                                                                                    HGEGTFTSELSKOMAEEAVRLFIEWLKN
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              AAB11184 Length:
Found using 'seq4'
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exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aablil89; exemdin agonist peptide SEQ ID
(from "seq49gs.pep,")
TOIG of: aablil89 check: 2215 from: 1
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                                                                                                                                           or reducing food intake
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aabl1188 ; exendin agonist peptide SEQ ID NO 96.
(from "seq4ags.pep")
TOIG of: aab11188 check: 237 from: 1 to: 28
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                           Young A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                           Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                  formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Check: 2649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11190 Length: 29 February 4, 2005 13:19 Type: P Found using '8eq4' (mohamed337.key)
                                                      to: 29
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                                NO 98.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 105; Page 170; 281pp; English
                               ; exendin agonist peptide SEQ ID
                                                                                                                                                                                                                                                                                                                                                                      Kolterman O;
                                                                                                                                                    exendin agonist peptide SEQ ID NO 98
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                                                                              AAB11190 standard; peptide; 29
                                                                                                                                                                                                                                                                                                          14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                      check: 2649
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                                                                                                                                                                                                                                                                                                                                                                     L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
                   found in sequence:
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                                          (from "seq4ags.pep")
TOIG of: aab11190
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TOIG of: aab11191
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                                                                                                                            20-FEB-2001
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                                                                                                                                                                                                              Synthetic.
                                                                                                     AAB11190;
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                                aab11190
                   1 match
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This invention describes a novel formulation (I) comprising an exendin or exendin aganist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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plasma glucose; gastric emptying; food intake.
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aablil93; exemid agonist peptide SEQ ID NO 101.
(from "seq4ags.pep")
TOIG of: aablil93 check: 249 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11191 Length: 37 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                 4-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                              WO200041546-A2
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AAB11200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                              aab11197 ; exendin agonist peptide SEQ ID NO 105.
(from "seq4ags.pep")
TOIG of: aab11197 check: 688 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 105.
                                                                               Example 110; Page 175; 281pp; English
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                                                                                                                                                                                                                                                                                                            HGAGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
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                                                                                                                                                                                                                             Sequence 28 AA;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                              AAB11197 Length: 28 February 4, 2005 13:19 Type: P Check: 688 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                        . match found in sequence:
aab11200 ; exendin agonist peptide SEQ ID NO 108.
(from "seq4ags.pep")
TOIG of: aab11200 check: 590 from: 1 to: 28
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aabl1260; exendin agonist peptide SEQ ID NO 168
(from "seq489s.pep")
TOIG of: aabl1260 check: 5882 from: 1 to: 38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 108.
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10-JAN-2000; 2000US-0175365P.
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Sequence 28 AA;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 182; Page 230; 281pp; English
                                                                                                                                                                                                                                      Young A, L'italien JJ, Kolterman O;
                                 14-JAN-2000; 2000WO-US000902
                                                                                       14-JAN-1999; 99US-0116380P.
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      This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                   Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
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(from "seq4ags.pep")
TOIG of: aab11265 check: 7002 from: 1 to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 177; Page 226-227; 281pp; English
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|HGAGTFTSDLSKQLEBEAVRLFIBFLKNGGPSSGAPPP
                                                                                                                                                                         exendin agonist peptide SEQ ID NO 168
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AAB11260 standard; peptide; 38 AA
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                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                           Synthetic.
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                                                         AAB11260
                                                                                                                                                                                                                                Exendin;
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HANDER STANDER STANDER
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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                      AAB11265 Length: 35 February 4, 2005 13:19 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                     aab11269; exendin agonist peptide SEQ ID NO 177. (from "seq4ags.pep")
TOIG of: aab11269 check: 9574 from: 1 to: 32
                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 177.
                                                                                                                  HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
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                                                                                                                                                                                                                                                    AAB11269 standard; peptide; 32
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10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                              20-FEB-2001 (first entry)
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or reducing food intake
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                                                                                                                                                                            found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-514584/46.
                            Sequence 35 AA;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                match found in sequence:
aabl1277; exendin agonist peptide SEQ ID NO 185
(from "seq4ags.pep")
TOIG of: aabl1277 check: 7441 from: 1 to: 35
HGAGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 185.
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10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                       AAB11277 standard; peptide;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or reducing food intake
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TOIG of: aab11281
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                         This invention describes a novel formulation (1) comprising an exendin oxexendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensititity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aab11273; exendin agonist peptide SEQ ID NO 181.
(from "seq4ags.pep")
TOIG of: aab11273 check: 6321 from: 1 to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 181
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                                                                                                                                                                                                                                                                                                                                                                                              HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     38 AA
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                                                                                                                                                                                                   or reducing food intake
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                                                                                                                                                                                                                                                Sequence 32 AA;
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Check: 7441

Type: P

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H. horridum exendin 3 peptide SEQ ID NO 1.

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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(from "seq4ags.pep")
TOIG of: aabl1284 check: 9556 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                     Kolterman
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                                                                                                                                                                               Example 2; Fig 2; 281pp; English
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10-JAN-2000; 2000US-0175365P.
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                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L'italien JJ,
                                                                WPI; 2000-514584/46.
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                       Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; glucose; gastric emptying; food intake.
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HSDGTFTSDLSKQMEERAVRLFIEWLKYGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                    Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 1; Fig 1; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                               L'italien JJ,
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                                                                                Heloderma horridum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New formulations
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of: aab11282 c
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                                                                                                                             WO200041546-A2
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AAB11282;

Exendin;

plasma

Check: 9570

Type: P

Young A,

4 14:12:16 2005

Fri Feb

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                          Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
  to: 39
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aablil287 ; exendin agonist peptide SEQ ID NO 13.
(grom "seq4ags.pep")
TOIG Of: aablil287 check: 9804 from: 1 to: 39
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YGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman O;
                                                                                                                                                                   exendin agonist peptide SEQ ID NO 12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO 13.
  from: 1
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                                         39 AA
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10-JAN-2000; 2000US-0175365P.
                                         AAB11286 standard; peptide;
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TOIG of: aab11286 . check: 9587
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young A, L'italien JJ,
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                                                                                                                                                                                                                                                                                                                    WO200041546-A2.
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                                                                                                                                                                                                                                                                          Synthetic.
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                                                                                   AAB11286
                                            PXSXXXXXXXXXXXXXXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                       Type: P
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                                                                                                                                                                                                                                                                                          aab11285; exendin agonist peptide SEQ ID NO 11. (from "seq4ags.pep")
TOIG of: aab11285 check: 9145 from: 1 to: 39
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   aabl1286 ; exendin agonist peptide SEQ ID NO 12.
   (Irom "seq4ags.pep")
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                                                                                                                                                                                       HGEGTFTSDLSKQLEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 11.
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                                                                                                     AAB11284 Length: 39 February 4, Found using 'seg4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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                   or reducing food intake
                                                                                                                                                                                                                                                                          match found in sequence:
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                                                             Sequence 39 AA;
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Young A,

AAB11285

Type: P Check: 9587

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                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                    aab11288 ; exendin agonist peptide SEQ ID NO 14. (from "seq4ags.pep")
TOIG of: aab11288 check: 9567 from: 1 to: 39
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                    Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 14.
                                                                                                                                                                        Example 18; Fig 15; 281pp; English.
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                             14-JAN-2000; 2000WO-US000902
                                                14-JAN-1999; 99US-0116380P.
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                                                                               (AMYL-) AMYLIN PHARM INC
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                                                                                                   L'italien JJ,
                                                                                                                                                                                                                                                                   or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
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                                                                                                                       WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                        Sequence 39 AA;
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         20-JUL-2000
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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Example 19; Fig 15; 281pp; English.
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10-JAN-2000; 2000US-0175365P.
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TOIG of: aab11289 c
                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
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AAB11290

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                       Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes;
plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        l match found in sequence:
aab11292 ; exendin agonist peptide SEQ ID NO 18.
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                                                                                                                                                                                                                                                                                                                                                                              Kolterman O;
                  exendin agonist peptide SEQ ID NO 17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 18.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 22; Fig 15; 281pp; English.
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                                                                                                                                                                                                                                     14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                             14-JAN-1999; 99US-0116380P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                          Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-514584/46
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TOIG of: aab11292 c
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                                                                                                                                                         WO200041546-A2.
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Found using 'seq4'
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                                                                                                                                                                                              20-JUL-2000.
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##X#X#X#X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                              Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aab11291; exendin agonist peptide SEQ ID NO 17. (from "seq4ags.pep")
TOIG of: aab11291 check: 9571 from: 1 to: 39
                                                                                                                                aabl1290; exendin agonist peptide SEQ ID NO 16.
(from "seq4ags.pep")
TOIG of: aabl1290 check: 9563 from: 1 to: 39
                                                                                                                                                                           to: 39
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                                   HGEGTXTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFSSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman O
                                                                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 21; Fig 15; 281pp; English.
                                                                                                                                                                                                                     AAB11290 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-FEB-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or reducing food intake
                                                                                                                   match found in sequence:
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Young A,

AAB11291,

SXXXE

Check: 9579

Type: P

2005 13:19

39 20.

exendin agonist peptide SEQ ID NO 20.

20-FEB-2001

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                          AAB11292 Length: 39 February 4, 2005 13:19 Type: P
Found using 'eeg4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                              aab11293 ; exendin agonist peptide SEQ ID NO 19
                                                                                                                                                                                                                                                                                             |-----HGEGTFTTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 19.
                                                                                                                                                                                                                                                                                                                                                                                   check: 9579 from: 1
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10-JAN-2000; 2000US-0175365P
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                               L'italien JJ,
                                                                                                                                                                                                               or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
                                                      WPI; 2000-514584/46
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                                                                                                                                                                                                                                     Sequence 39 AA;
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TOIG of: aab11293
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young A,
                                 foung A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New
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sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSELSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     aabl1294; exendin agonist peptide SEQ ID (from "seq4ags.pep")
TOIG of: aabl1294 check: 9520 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11294 standard; peptide; 39 AA
                                                                                                                                                                                                                                                              AAB11293 Length: 39 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                     or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
                                                                                                                                                                                          Sequence 39 AA;
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                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Check: 9578
                                                                                                              Kolterman
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                                     (AMYL-) AMYLIN PHARM INC.
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                          Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                           Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 25; Fig 15; 281pp; English.
                                                                                                                                                                                                                                                                            14-JAN-2000; 2000WO-US000902
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                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                            Young A,
Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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Check: 9520

Type: P

2005 13:19

Length: 39 February 4, g 'seq4' (mohamed337.key)

using AAB11294 Found using

Sequence 39 AA;

|-----| HGEGTFTSDGSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

------1 match found in sequence:

seq4_ags.res

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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(from "seq4ags.pep")
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HGEGTFTSDLSKQGBEBAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                     Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       from: 1
                                                                                                                                                                                                                                                                                                                                                                          Example 27; Fig 15; 281pp; English.
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                                                                                              14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                     L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence
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                    WO200041546-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Found
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                           Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                    to: 39
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aab11295 ; exendin agonist peptide SEQ ID NO 21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDGSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
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  (from "seq4ags.pep")
  TOIG of: aab11296 check: 9486 from: 1 to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        L'italien JJ, Kolterman O,
                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 21.
                                      from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 26; Fig 15; 281pp; English
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                                                                             39 AA
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10-JAN-2000; 2000US-0175365P.
                                                                             AAB11295 standard; peptide;
                                      check: 9081
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                  (from "seq4ags.pep")
TOIG of: aab11295 c
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SXXXXXXXXXXXX

This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which have allowed levels and disorders which would benefit from agents that delay and/or slow gastric emptying Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake. formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes. New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes. 39 February 4, 2005 13:19 Type: P Check: 9061 (mohamed337.key) to: 39 25. |------| HGEGTFTSDLSKQGEEEAVRLFIEFLKNGGPSSGAPPPS match found in sequence: aab11299 ; exendin agonist peptide SEQ ID NO ö exendin agonist peptide SEQ ID NO 25. check: 9869 from: 1 Example 30; Fig 15; 281pp; English. 28; Fig 15; 281pp; English. Kolterman AAB11299 standard; peptide; 39 AA 10-JAN-2000; 2000US-0175365P 14-JAN-2000; 2000WO-US000902 99US-0116380P (first entry) (AMYL-) AMYLIN PHARM INC L'italien JJ, WPI; 2000-514584/46. AAB11297 Length: 39 Found using 'seq4' (mo (from "seq4ags.pep") TOIG of: aab11299 c Sequence 39 AA; Seguence 39 AA; WO200041546-A2 4-JAN-1999; 20-FEB-2001 reducing 20-JUL-2000 Synthetic. Young A, aab11299 ; New

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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Length: 39 February 4, 2005 13:19 Type: P
| 'seq4' (mohamed337.key)
                                                                                                                                                                               to: 39
                                                                                                                             match found in sequence:
aabl1300; exendin agonist peptide SEQ ID NO 26.
(from "seq4age.pep")
TOIG of: aabl1300 check: 9430 from: 1 to: 39
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                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 26
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10-JAN-2000; 2000US-0175365P.
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AAB11299 L
Found using
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which acts a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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TOIG of: aabl1303 check: 9546 from: 1 to: 39
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                                                                                                 Kolterman
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14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                      (AMYL-) AMYLIN PHARM INC
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                                                                                              L'italien JJ,
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                                                                                            Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabil302; exendin agonist peptide SEQ ID
(from "seq4ags.pep")
TOIG of: aabil302 check: 9476 from: 1
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                                                      exendin agonist peptide SEQ ID NO 27
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(first entry)

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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                  aab11305; exendin agonist peptide SEQ ID NO 31. (from "seq4ags.pep")
TOIG of: aab11305 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                    exendin agonist peptide SEQ ID NO 31,
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                   match found in sequence:
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                                                                                                                             has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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04 ; exendin agonist peptide SEQ ID NO 30.
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                                                                                                                                                                                                                                                                                                                                                          match
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Kolterman O;

L'italien JJ,

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                            Type: P Check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aab11306 ; exendin agonist peptide SEQ ID NO 32.
                                                                                                                                                                                                                                                                              Length: 39 February 4, 2005 13:19
; seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                 |-----|
HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11306 standard; peptide; 39 AA
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                                                                                                                                                                                  food intake
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TOIG of: aab11306
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                                                                                                                                                                                    or reducing
                                                                                                                                                                                                                                   Sequence 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB11306;
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Check: 9145

Type: P

AAB11304 Length: 39 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)

Found using 'seq4'

HGEGTFTSDLSKQMEEEAVRLFIEFLKNGGPSSGAPPPS 1

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                           This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin, agoniet, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose, gastric emptying, food intake.
                            formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes
                                                                                                                                                                                                                                                                                                Type: P Check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                                                        . match found in sequence:
aabl1308; exendin agonist peptide SEQ ID NO 34.
(from "seq49s.pep")
TOIG of: aabl1308 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 39; Fig 15; 281pp; English.
                                                                               Example 38; Fig 15; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11308 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                    AAB11307 Length: 39 February 4, ound using 'seq4' (mohamed337.key)
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                    or reducing food intake
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 WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                      Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                    'seq4'
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                        Kolterman O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
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10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                    L'italien JJ,
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of: aab11307
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                                                 WO200041546-A2
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                 Synthetic.
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                            Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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{from "seq4ags.pep"}
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HGEGTFTSDLSKQLEBEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman O;
                                                                                                     exendin agonist peptide SEQ ID NO 36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 37.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                              Synthetic.
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                       AAB11310;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11311;
    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pw of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                       AAB11308 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                          to: 39
                                                                                                                                                                                                       match found in sequence:
aabili309 ; exendin agonist peptide SEQ ID NO 35.
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aabl1310; exendin agonist peptide SEQ ID NO 36.
(from "seq4ags.pep")
TOIG of: aabl1310 check: 9131 from: 1 to: 39
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 35
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2000US-0175365P
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TOIG of: aab11309 _c
Sequence 39 AA;
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10-JAN-2000;
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New

to: 39

WO200041546-A2

20-JUL-2000.

to: 39

AAB11310 standard; peptide; 39 AA

seq4_ags.res

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exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
This invention describes a novel formulation (I) comprising an exendin or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aab11313 ; exendin agonist peptide SEQ ID NO 39.
(from "seq4ags.pep")
TOIG of: aab11313 check: 7001 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAAAAS
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3 'seq4' (mohamed337.key)
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                                                                                                                                                                                                        Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11313;
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88888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aabl1312 ; exendin agonist peptide SEQ ID NO 38.
(from "seq4ags.pep")
TOIG of: aabl1312 check: 7905 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGASSGAAAAS
                                                                                                                                                             Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 38
                                                                                                                                                                                                                                                                                                                          Example 42; Fig 15; 281pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB11312 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB11311 Length: 39 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-1999; 99US-0116380P.
14-JAN-2000; 2000WO-US000902.
                                           14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                                                                               (AMYL-) AMYLIN PHARM INC
                                                                                                                                                          L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-514584/46.
                                                                                                                                                                                                      WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA;
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                                                                                                                                                             Young A,
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match found in sequence: aab36419 ; Gila monster venom exendin 3 peptide SEQ ID NO:7. check: 9591 from: 1 (from "seq4ags.pep") TOIG of: aab36419 c

AAB36419 standard; peptide; 39 AA

(first entry) 28-FEB-2001 Gila monster venom exendin 3 peptide SEQ ID NO:7.

Glucagon-like peptide-1; GLP-1; GLP-2; vasotropic; cerebroprotective; brain tissue injury; reperfusion; blood flow; ischaemia; acute stroke; metabolic intervention; haemorrhage; tissue damage; medial procedure; surgical; insulin; hyperglycaemia; hypoglycaemia; brain anabolism; euglycaemia

Heloderma suspectum.

Location/Qualifiers /note= "amidated" Key Modified-Bite

WO200066142-A2

09-NOV-2000

01-MAY-2000; 2000WO-US011652

99US-00303016 30-APR-1999;

(BION-) BIONEBRASKA INC.

WPI; 2001-015911/02. Coolidge TR,

method for amelioration of brain tissue injury comprises administering composition including a compound which binds to a receptor for glucagon -like peptide-1.

Disclosure; Page 8; 19pp; English.

tissue injury caused by reperfusion of blood flow comprising tissue injury caused by reperfusion of blood flow comprising tissue injury caused by reperfusion of blood flow comprising to composition including a compound which binds to a receptor for glucagon-like peptide-1 (GLP-1), in a pharmaceutical carrier. The method is used for amelioration of brain tissue injury caused by reperfusion of blood flow following a period of ischaemic of is used for metabolic intervention to improve the function of ischaemic and reperfused brain cells. It treats patients after an acute stroke or haemorrhage and tissue damage arising from a medical procedure that is a surgical event causing ischaemia of brain tissue or a medical procedure involving a reperfusion event. Glu-1 is an ideal alternative to insulin for the treatment of stroke as it stimulates endogenous insulin secretion func protecting against the development of severe hypoglycaemia, the treatment optimises insulin secretion, increases brain anabolism, enhancing insulin effectiveness by suppressing glucagon and maintains euglycaemia or mild hypoglycaemia with no risk of severe hypoglycaemia. The present sequence represents a Gila monster venom peptide which is homologous to GiP-1, and is given in the exemplification of the present nvention REAL STREET STRE

Sequence 39 AA;

AAB36419 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

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|------|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
28
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1 match found in sequence:
aab36421 ; Glia monster venom exendin 4 peptide SEQ ID NO:9.
(from "seq4ags.pep")
TOIG Of: aab56421 check: 9570 from: 1 to: 39
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AAB36421 standard; peptide; 39 AA

AAB36421;

28-FEB-2001 (first entry)

Gila monster venom exendin 4 peptide SEQ ID NO:9.

Glucagon-like peptide-1; GLP-1; GLP-2; vasotropic; cerebroprotective; brain tissue injury; reperfusion; blood flow; ischaemia; acute stroke; metabolic intervention; haemorrhage; tissue damage; medical procedure; surgical; insulin; hyperglycaemia; hypoglycaemia; brain anabolism;

Heloderma suspectum.

euglycaemia.

Location/Qualifiers /note= "amidated" Key Modified-site

WO200066142-A2

09-NOV-2000.

01-MAY-2000; 2000WO-US011652.

99US-00303016. 30-APR-1999;

(BION-) BIONEBRASKA INC.

Coolidge TR, Ehlers MRW;

WPI; 2001-015911/02.

A method for amelioration of brain tissue injury comprises administering a composition including a compound which binds to a receptor for glucagon-like peptide-1.

Disclosure; Page 8; 19pp; English.

tissue injury caused by reperfusion of blood flow comprising

definistering a composition including a compound which binds to a

creceptor for glucagon-like peptide-1 (GLP-1), in a pharmaceutical

carrier. The method is used for amelioration of brain tissue injury

caused by reperfusion of blood flow following a period of ischaemia. GLP
caused by reperfusion of blood flow following a period of ischaemia. GLP
caused by reperfusion of blood flow following a period of ischaemia. GLP
caused by reperfusion of blood flow following a period of ischaemia.

Can reperfused brain cells. It trasts patients after an acute stroke or

hamorrhage and tissue damage arising from a medical procedure that is a

surgical event causing ischaemia of brain tissue or a medical procedure

involving a reperfusion event. GLP-1 is an ideal alternative to insulin

for the treatment of stroke as it stimulates endogenous insulin secretion

c thus protecting against the development of severe hypoglycaemia, The

treatment optimises insulin secretion, increases brain anabolism,

c that present sequence represents a sila monster venom peptide which is

The present sequence represents a cila monster venom peptide which is

the present sequence represents a cila monster venom peptide which is

the present sequence represents a cila monster venom peptide which is The present invention describes a method for the amelioration of brain invention

Sequence 39 AA;

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Check: 9570
AAB36421 Length: 39 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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1 match found in sequence: aab36432 ; Gila monster venom exendin 3 peptide SEQ ID NO:7. to: 39 check: 9591 from: 1 n "seq4ags.pep" of: aab36432 from

AAB36432 standard; peptide; 39 AA 28-FEB-2001 (first entry) AAB36432;

Glucagon-like peptide-1; GLP-1; GLP-2; metabolic intervention; ischaemia; reperfusion; surgical procedure; cardiac surgical procedure; organ transplant; traumatic elimb amputation; limb reattachment; ischaemic reperfusion; gut infarct; myocardial infarct. Gila monster venom exendin 3 peptide SEQ ID NO:7.

Heloderma suspectum

Location/Qualifiers 39 /note= "amidated" Modified-site Key

WO200066138-A2

09-NOV-2000

27-APR-2000; 2000WO-US011251

99US-00302596 30-APR-1999;

(BION-) BIONEBRASKA INC

Ehlers MRW; Coolidge TR,

WPI; 2001-040881/05.

Metabolic intervention with GLP-1 improves function of 1schemic and reperfused tissue.

Disclosure; Page 13; 22pp; English.

The present invention describes metabolic intervention with GLP-1 which improves the function of ischaemic and reperfused tissue. The method for ameliotration of organ tissue caused by reperfusion of blood flow following a period of ischaemia comprises administering a composition including a compound which binds to a receptor for glucagon-like peptide-including a compound which binds to a receptor for glucagon-like peptide-intervention with GLP-1 to improve the function of ischaemic and reperfused tissue, the method comprising administering a composition comprising GLP-1 in a carrier, and (2) a composition for use in the metabolic intervention with GLP-1 as above. The method is useful after surgical procedures selected from cardiac surgical procedures, organ transplants, traumatlo limb amputation and reattachement, a ischaemic reperfusion event concurrent with gut infarct and myocardial infarct and improves the function of ischaemic and reperfused tissues. The method is devoid of side effects associated with current procedures. Antigenic and immune stimulating properties are not adversely affected. The present sequence represents a GIP-1, and is given in the exemplification of the present invention

Sequence 39 AA;

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Check: 9591
AAB36432 Length: 39 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
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|------|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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Glucagon-like peptide-1; GLP-1; GLP-2; metabolic intervention; ischaemia; reperfusion; surgical procedure; cardiac surgical procedure; organ transplant; traumatic limb amputation; limb reattachment; ischaemic reperfusion; gut infarct; myocardial infarct.
match found in sequence:
aab36434 ; Gila monster venom exendin 4 peptide SEQ ID NO:9.
                                                                               Gila monster venom exendin 4 peptide SEQ ID NO:9.
                       :
to
                     check: 9570 from: 1
                                    AAB36434 standard; peptide; 39 AA
                                                                 28-FEB-2001 (first entry)
              (from "seq4ags.pep")
TOIG of: aab36434 cl
                                                   AAB36434;
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Location/Qualifiers Heloderma suspectum

/note= "amidated" 27-APR-2000; 2000WO-US011251. WO200066138-A2 Modified-site 09-NOV-2000.

99US-00302596 (BION-) BIONEBRASKA INC 30-APR-1999;

Ehlers MRW; Coolidge TR,

WPI; 2001-040881/05

Metabolic intervention with GLP-1 improves function of ischemic and reperfused tissue.

Disclosure; Page 13; 22pp; English.

improves the function of ischaemic and reperfused tissue. The method for amelloration of organ tissue caused by reperfusion of blood flow following a period of ischaemia comprises administering a composition including a compound which binds to a receptor for glucagon-like peptide. (GLP-1), in a carrier. Also described are: (1) a method of metabolic intervention with GLP-1 to improve the function of ischaemic and reperfused tissue, the method composition for use in the metabolic intervention with GLP-1 as above. The method is useful after metabolic intervention with GLP-1 as above. The method is useful after surgical procedures selected from cardiac surgical procedures, organ transplants, tranmatic limb amputation and reattachment, a ischaemic reperfusion event concurrent with gut infarct and myocardial infarct and every surgical brocedures associated with current procedures. The method is devoid of side effects associated with current procedures. The method is devoid of side effects associated with current procedures. The method is immune stimulating properties are not adversely affected. The present sequence represents a Gila monster venom peptide which is homologous to GLP-1, and is given in the exemplification of the present invention The present invention describes metabolic intervention with GLP-1 which

Sequence 39 AA;

AAB36434 Length: 39 February 4, 2005 13:20 Type: P Check: 9570

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The invention relates to modified insulinotropic peptides (ITPB), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP 1) or exendin and contain a reactive group such as a maleimide group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a succinimidyl group. The peptides of the invention act by stimulating the breatment of nervous system disorders; it is also useful as a sedative; for the treatment of nervous system disorders; it is induce an anxiolytic effect on the central nervous system (CNS); to activate the cost of the invention to a blood component via the reactive group provides of the invention to a blood component via the reactive group provides increased stability; in the presence of peptides of the invention therefore have a longer in vivo. half-life as they are less in insulinotropic peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                             Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidases stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervos system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Leblanc A;
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                                                                                                                                                                                        to: 39
                                                     HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 4; Page 88-89; 96pp; English.
                                                                                                                                                                                                                             AAB48800 standard; peptide; 39 AA
                                                                                                                                               aab48800 ; Exendin-3, SEQ ID NO:11.
(from "seq4ags.pep")
TOIG of: aab48800 check: 9591 fr
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99US-0134406P
99US-0159783P
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                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                           Exendin-3, SEQ ID NO:11.
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                                                                                                                                 1 match found in sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unidentified
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15-OCT-1999;
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                                                                                                                                                                                                                                                                                                      09-MAR-2001
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Sequence 39 AA;

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derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinctropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP -1) or exendin and contain a reactive group such as a maleimido group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of finsulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic affect on the central nervous system (CNS); to activate the carcilepsy; and as a treatment for insulin resistance, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the invention therefore have a longer in vivo. half-life as they are less convention therefore have a longer in vivo. half-life as they are less an insulinotropic peptide referred to in the present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to modified insulinotropic peptides (ITPs), or
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  Check: 9591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Leblanc A;
AAB48800 Length: 39 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                         to: 39
                                                                                     HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                         check: 9570 from: 1
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                                                                                                                                                                                                                                                                                   AAB48801 standard; peptide; 39 AA
                                                                                                                                                                        . match found in sequence:
aab48801 ; Exendin-4, SEQ ID NO:12.
('Erom "seq4ags.pep")
TOIG of: aab48801 check: 9570 fr
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                                                                                                                                                                                                                                                                                                                                                                         09-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin-4, SEQ ID NO:12.
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15-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unidentified.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-NOV-2000.
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                                                                                                                                                                                                                                                                                                                            AAB48801;
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The invention relates to modified insulinotropic peptides (ITPB), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., enum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP 1) or exendin and contain a reactive group such as a maleimide group or succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a succinimidyl group. The peptides of the invention as useful for treating diabetes, paricularly the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an extract nearment of nervous system (CRS); to activate the CRS for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin resistance, particularly that which occurs after certain types of surgery. The conjugation of a peptide increased stability in the presence of peptidases. The poptides of the invention to a blood component via the reactive group provides invention therefore have a longer in vivo. half-life as they are less
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
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                                                                                  AAB48801 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Insulinotropic peptide; insulin production; GLP-1 derivative;
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HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAPPPS
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aab48803; Exendin-4(1-30)Tyr31, SEQ ID NO:14.
(from "seq4ags.pep")
fOrg of: aab48803 check: 7648 from: 1 to:
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Sequence 39 AA;
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St Pierre S;
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The invention relates to modified insulinotropic peptides (ITPs), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP or exendin and contain a reactive group such as a maleimido group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic affect on the central nervous system (CNS); to activate the caxiolytic affect on the central nervous system (CNS); to activate the narcolepsy; and as a treatment for insulin respirance, particularly that mirrolepsy; and as a treatment for insulin respirance, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides
susceptible to proteolytic degradation. The present sequence represents an insulinotropic peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
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aab48807 ; Exendin-derived insulinotropic peptide, SEQ ID NO:18.
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                                                                                                           AAB48803 Length: 31 February 4, 2005·13:19 Type: P
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TOIG of: aab48807 cl
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15-OCT-1999;
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The invention relates to modified insulinotropic peptides (ITPs), or derivatives thereof which comprise a reactive group which reacts with senino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP -1) or exemdin and contain a reactive group such as a maleimide group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly
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increased stability in the presence of peptidases. The peptides of the invention therefore have a longer in vivo. half-life as they are less susceptible to proteolytic degradation. The present sequence represents an ineqlinetropic peptide of the invention
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                                                                                                                                                                                                                                                                                                                                                                            AAB48822 standard; peptide;
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aabs8822; Exendin-4(1-39)Lys40.
(from "seq4ags.pep")
TOIG of: aab48822 check: 2570
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type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the CNS for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin resistance, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the invention therefore have a longer in vivo. half-life as they are less susceptible to proteolytic degradation. The present sequence represents an insulinotropic peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        maleimidopropionic acid
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aab48823; Exendin-3(1-39) Lys40.
[from "seq4ags.pep")
TOIG of: aab48823 check: 2591
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controlled the invention are derivatives of glucagon-like peptide 1 (GLP or exendin and contain a reactive group such as a maleimido group or containidy! group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a composition of the invention is useful for treating diabetes, paticularly cyperide of the invention is useful for treating diabetes, paticularly cyperide of the invention is useful for treating diabetes, paticularly cyper II (maturity onset) diabetes. It is also useful as a sedative; for type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, convictive effect on the central nervous system (CNS); to activate the convictive for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin resistance, particularly that confidence at a proposition of the invention to a blood component via the reactive group provides of the invention therefore have a longer in vivo. half-life as they are less convictive degradation. The present sequence represents con insulinotropic peptide of the invention
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derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic
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aab52825 ; Extendin-4 peptide #1.
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of: aab52825 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 40 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (from 1
  CCCCXBXAXBXBXBXBXBXBXBXBXBXBXBXBXBXCCCCC
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Modified exendin or an exendin agonist linked to one or more polyethylene
glycol (PEG) polymers, modulate plasma glucose levels, useful for
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syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                       AAB52825 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     glycol (PEG) polymers, modulate plasma glucose l
treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                   AAB52826 standard; peptide; 30 AA.
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                                                                                                                                                                                                                                       1 match found in sequence:
ab55285 ; Bxtendin-4 peptide #2.
from "seq4ags.pep")
TOIG Of: aab52826 check: 4889 ;
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aab52827; Extendin-4 peptide #3.
(from "seq4ags.pep")
TOIG of: aab52827 check: 700 f
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                                                       Sequence 30 AA;
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99US-0132018P.
                                             Prickett K;
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                                                              WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                     Extendin; agonist;
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TOIG of: aab52829 C
                                                                                                                                                                                                             Sequence 39 AA;
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        30-APR-1999;
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                                              Young A,
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                                                                                                                                                                                                                                                                                                                    The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               obesity; eating disorder; dyslipidaemia; food intake.
                                                                          Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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  AAB52827 standard; peptide; 28 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diabetes;
                                                                                                                                                                                    99US-0132018P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aab52828; Extendin-4 peptide #4.
[from "seq4ags.pep"]
TOIG of: aab52828 check: 9131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            insulin-resistance syndrome;
                                                                                                                                                                  28-APR-2000; 2000WO-US011814
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                                       entry)
                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
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                                                          Extendin-4 peptide #3
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                                       (first
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                                                                                                         Heloderma sp.
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                     AAB52827
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                               Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 insulin-resistance syndrome;
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aab52829 ; Extendin-4 peptide #5.
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(AMYL-) AMYLIN PHARM INC.
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09-NOV-2000.
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             Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndxome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                 Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                    Type: P Check: 261
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ound using 'seq4' (mohamed337.key)
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                                                                    AAB52829 Length: 28 February 4, 2005 13:20 ound using 'seq4' (mohamed337.key)
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                                                                                                              HGEGTFTSDLSKQLEEEAVRLFIEFLKN
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28
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aab52840 ; Extendin-4 peptide #7.
(from "seq4ags.pep")
TOIG of: aab52840 check: 9570
                                                                                                                                                             l match found in sequence:
aab52830 ; Extendin-4 peptide
(from "seq4ags.pep")
TOIG of: aab52830 check: 151
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                                                                                                                                                                                                                                                                                           Extendin-4 peptide #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A, Prickett K;
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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AAB52840 standard; peptide; 39 AA.
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aab52841; bxtendin-4 peptide #8.
(from "seq4ags.pep")
TOIG of: aab52841 check: 9570
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                                                                                                                                                                                             Extendin-4 peptide #7.
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diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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polyethylene glycol (PEG). These can be used in the treatment of
                                                                                                                                       AAB52845 Length: 39 February 4, 2005 13:20 Type: P Check: 9560 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                     HGEGTFTSDKSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                      AAB52852 standard; peptide; 39
                                                                                                                                                                                                                                                                                                     . match found in sequence:
aab52852; Extendin-4 peptide #19.
(from "seq4ags.pep")
(TOIG of: aab52852 check: 9270 f:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Extendin-4 peptide #19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young A, Prickett K;
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                                                                                                   Sequence 39 AA;
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Found using
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                                                                                                                                                                                                  Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                            The present invention relates to extendins and their agonists which have
                                                                                                                                                                                                                                                                                                                                             been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obssity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq4' (mohamed337.key)
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  28-APR-2000; 2000WO-US011814
                                          99US-0132018P
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                                                                                (AMYL-) AMYLIN PHARM INC
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                                                                                                                        Prickett K;
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FOIG of: aab52845 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA;
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                                          30-APR-1999;
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                                                                                                                        Young A,
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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g 'seq4' (mohamed337.key)
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aab52853 ; Extendin-4 peptide #20.
(from "seq4ags.pep")
28-APR-2000; 2000WO-US011814.
                                                                          99US-0132018P.
                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
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28-FEB-2001

AAB52853

09-NOV-2000.

Young A,

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNKGPSSGAPPPS
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aab52856; Extendin-4 peptide #23.
(from "seq4ags.pep")
TOIG of: aab52856 check: 9690 f
                      28-APR-2000; 2000WO-US011814.
                                                              99US-0132018P
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                                                                                                   (AMYL-) AMYLIN PHARM INC
                                                                                                                                        Young A, Prickett K;
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                                                              30-APR-1999;
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    Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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    to: 39
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                                         39 AA
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aab52855; Extendin-4 peptide #22.
(from "seq4ags.pep")
TOIG of: aab52855 check: 9686 f
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                                         AAB52853 standard; peptide;
check: 9270
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                                                                                                                                                               Extendin-4 peptide #20
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  TOIG of: aab52853
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09-NOV-2000

AAB52855;

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AAB52856

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PBG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                            AAB52858 standard; peptide; 39 AA
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                   check: 9570
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                                                                                                                                              (first entry)
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                                                                                                                                                                                    Extendin-4 peptide
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(from "seq4ags.pep")
TOIG of: aab52858 c
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TOIG of: aab52859 c
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                   polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, poetprandial dumping syndrome, postprandial hyperalycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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  modified with molecular weight increasing agents such as
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGKPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB52857 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
aab52857 ; Extendin-4 peptide #24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-APR-2000; 2000WO-US011814
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Extendin-4 peptide #24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                           (from "seq4ags.pep")
TOIG of: aab52857 c
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                                                                                                                        Sequence 39 AA;
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                                                                                                                                                                                         Found using 'seq4'
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09-NOV-2000

Young A,

Extendin;

AAB52857;

Heloderma

Type: P Check: 9570

WO200066629-A1

1 match found in sequence: aab52858 ; Extendin-4 peptide #25.

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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  The present invention relates to extendins and their agonists which have
                     been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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g 'seq4' (mohamed337.key)
                                                                                                                                                                                                         AAB52871 Length: 39 February 4, 2005 13:20 Type: P Check: 9591
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                  HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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0:
                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aab52872 ; Glla monster extendin-4 protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB52872 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gila monster extendin-4 protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                              from "seq4ags.pep")
OIG of: aab52872 cl
                                                                                                                                                              Sequence 39 AA;
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  8888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as been modified with molecular weight increasing agents such as polyethylene glycol (PBG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                             28-APR-2000; 2000WO-US011814.
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aab52871 ; Mexican beaded lizard
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(from "seq4ags.pep")
TOIG of: aab52871 c
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09-NOV-2000
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (FEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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aab52892; Extendin agonist compound #20.
(from "seq4ags.pep")
TOIG of: aab52892 check: 261 from: 1
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                                                                                                                                                                        Prickett K;
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                                                                                            30-APR-1999;
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                  09-NOV-2000
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Found using 'seq4' (mohamed337.key)
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aab52891 ; Extendin agonist compound #19
  aab52890 ; Extendin agonist compound #18
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG
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                                                                                                                                                                                              Extendin agonist compound #18.
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                                                                            AAB52890 standard; peptide;
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                                      check: 4889
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TOIG of: aab52891 c
                  (from "seq4ags.pep")
TOIG of: aab52890 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young A,
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BXSXXXXXXXXXXX

to: 28

from: 1

check: 166

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aab52894 ; Extendin agonist compound #22
match found in sequence
                          n "seq4ags.pep")
of: aab52894 c
                                                                   Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PBG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to extendins and their agonists which have
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                                                                                                                                                                                                                                                                                                                                                                                                                          Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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Found using 'seq4' (mohamed337.key)
                                                                                                                                   AAB52892 Length: 28 February 4, 2005 13:20 Type: P Check: 261 ound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                            1 match found in sequence:
ab52893 ; Extendin agonist compound #21.
(from *seq4ags.pep")
TOIG Of: aab52893 check: 249 from: 1
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                                                                                                                                                                                                                                                                                                                AAB52893 standard; peptide; 28 AA
                                                                                                                                                                                       HGEGTFTSDLSKOLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                Extendin agonist compound #21.
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HAEGTFTSDLSKQLEEEAVRLFIEFLKN

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                     Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52895; Extendin agonist compound #23.
(from "seq4ags.pep")
TOIG of: aab52895 check: 231 from: 1
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AAB52894 standard; peptide; 28
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                                                                                                                                           Extendin agonist compound #22
                                                                                                                                                                                                                                                                                                                                                                                                                                                    99US-0132018P.
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                                              AAB52894;
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                  The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PBG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aab52896; Extendin agonist compound #24.
(from "seq4ags.pep")
(TOIG of: aab52896 check: 117 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB52896 standard; peptide; 28 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTATSDLSKQLEEEAVRLFIEFLKN
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                                                                                                              (AMYL-) AMYLIN PHARM INC
                                                                                                                                           Prickett K;
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WO200066629-A1
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                            09-NOV-2000
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                        The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aab52897; Extendin agonist compound #25.
(from "seq4ags.pep")
TOIG of: aab52897 check: 151 from: 1
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Disclosure; Fig 4; 119pp; English.
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HGEGTFTADLSKQLEEEAVRLFIEFLKN
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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insulin-resistance syndrome; food intake.
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aab52300; Extendin agonist compound #28.
(from seq4ags.pep")
TOIG of: aab52900 check: 53 from: 1 t
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                             match found in sequence:
aab52898; Extendin agonist compound #26.
(from "seq4ags.pep")
TOIG of: aab52898 check: 63 from: 1 t
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aab52899; Extendin agonist compound #27.
[from "seq4ags.pep"]
TOIG of: aab52899 check: 141 from: 1
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                                                                                                                                                                                      AAB52898 standard; peptide; 28
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                                                                                                                                                                                                                                                                                                                                                                                   Extendin agonist compound #26
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to: 28

(first entry)

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                     l match found in sequence:
aab52902; Extendin agonist compound #30.
(from "seq4ags.pep")
TOIG of: aab52902 check: 201 from: 1
                                                                                                                                         AAB52902 standard; peptide; 28
                                                                                                                                                                                                                                                                 Extendin agonist compound #30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young A,
                                                                                                                                             Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                      The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose treatmee, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq4' (mohamed337.key)
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to
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    aab52901 ; Extendin agonist compound #29
(from "seq4ags.pep")
    TOIG of: aab52901 check: 107 from: 1
                     Disclosure; Fig 4; 119pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB52901 standard; peptide; 28 AA.
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SOCCOCCCX

99US-0132018P.

Prickett K;

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The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . match found in sequence:
aab52903; Extendin agonist compound #31.
(from "seq4ags.pep")
TOIG of: aab52903 check: 197 from: 1
Disclosure, Fig 4; 119pp; English.
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|------| HGEGTFTSDLSKQAEEEAVRLFIEFLKN 1

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                     The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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insulin-resistance syndrome; food intake.
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ound using 'seq4' (mohamed337.key)
  treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . match found in sequence:
aab52905; Extendin agonist compound #33.
(from "seq4ags.pep")
(TOIG of: aab52905 check: 9862 from: 1
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                                               Disclosure; Fig 4; 119pp; English.
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HGEGTFTSDLSKQLEEAAVRLFIEFLKN
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  #X8X0000000X8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52904 ; Extendin agonist compound #32.
(from "seq4ags.pep") TOIG of: aab52904 check: 193 from: 1
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                                             WO200066629-A1
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Heloderma sp.
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52908; Extendin agonist compound #36.
(from "seq4ags.pep")
TOIG of: aab52908 check: 165 from: 1
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                                                                                                  28-APR-2000; 2000WO-US011814.
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                                                                                                                                                                                      Young A, Prickett K;
                                                                                                                                                                                                                 WPI; 2000-672834/65.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                        WO200066629-A1
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             Heloderma sp.
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                                                                     09-NOV-2000
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52907 ; Extendin agonist compound #35.
                                          match found in sequence:
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                                                                                                                 AAB52906 standard; peptide; 28 AA
 28
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                                                                                                                                                                                                      Extendin agonist compound #34.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-672834/65.
                                                                        (from "seq4ags.pep")
TOIG of: aab52906 c
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TOIG of: aab52907 c
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to: 28

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                               . match found in sequence:
aab52910; Extendin agonist compound #38
(from "seq4ags.pep")
TOIG of: aab52910 check: 9975 from: 1
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aab52911 ; Extendin agonist compound #39
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HGEGTFTSDLSKQLEEEAVRLFIEALKN
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                                                                                                                                                                                                                                                                                                                                                     Extendin agonist compound #38
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TOIG of: aab52911
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                                                                                                                       The present invention relates to extendins and their agonists which have
                                                                                                                                             been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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insulin-resistance syndrome; food intake.
       glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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Found using 'seq4' (mohamed337.key)
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aab52909 ; Extendin agonist compound #37.
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                                                                          Disclosure, Fig 4; 119pp; English.
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TOIG of: aab52909 c
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Heloderma sp.

09-NOV-2000

28-FEB-2001

30-APR-1999;

Young A,

Type: P Check: 9975

to: 28

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                           The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucoelerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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aab52913; Extendin agonist compound #41.
(from "seq4ags.pep")
TOIG of: aab52913 check: 6333 from: 1
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             insulin-resistance syndrome; food intake
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ab552912; Extendin agonist compound #40.
(from "seq4ags.pep")
TOIG of: aab52912 check: 9897 from: 1
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                                                      Heloderma sp.
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                                                                                                                                                                                                                                                                                                               Young A,
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seq4_ags.res

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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   aab52916 ; Extendin agonist compound #44.
   (from "seq4ags.pep")
   TOIG of: aab52916 check: 2854 from: 1
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                                                             Heloderma sp.
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    Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                    HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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abb52915 ; Extendin agonist compound #43.
(from "beq4ags.pep")
TOIG of: aab52915 check: 3293 from: 1
                                                                                                  match found in sequence:
aab52914; Extendin agonist compound #42.
(from "seq493es.pep")
TOIG of: aab52914 check: 5894 from: 1
                                                                                                                                                                                                    AAB52914 standard; peptide; 38 AA
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
           Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                   The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aab52917 ; Extendin agonist compound #45
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                                                                                      Disclosure; Fig 4; 119pp; English.
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TOIG of: aab52917 c
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Modified exendin or an exendin agonist linked to one or more polyethylene
glycol (PEG) polymers, modulate plasma glucose levels, useful for
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1
HGEGTFTSDLSKOMEEEAVRLF1EWLKNGGPSSGAP
                                                       . match found in sequence:
aab52918 ; Extendin agonist compound #46.
(from "seq4ags.pep")
TOIG of: aab52918 check: 9894 from: 1
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aab52319; Extendin agonist compound #47.
from "seq4ags.pep")
TOIG of: aab52919 check: 7453 from: 1
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Extendin agonist compound #47.

AAB52917 Length: 36 February 4, 2005 13:20 Type: P Check: 333 Found using 'seq4' (mohamed337.key)

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                     The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obselty, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                           Disclosure; Fig 4; 119pp; English
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 WPI; 2000-672834/65.
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             diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
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aab52920; Extendin agonist compound #48.
(from "seq4ags.pep")
TOIG of: aab52920 check: 7014 from: 1
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                                                                                                                                                                                                                                                                                 WPI; 2000-672834/65.
              Sxtendin; agonist;
insulin-resistance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 35 AA;
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                                                                                          WO200066629-A1
                                                            Heloderma sp.
                                                                                                                                                                                     30-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-APR-1999;
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                                                                                                                       09-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB52920;
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                                                                                                                                                                                                                                                   Young A,
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Extendin agonist compound #51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett K;
                                                                                                                                                                                Prickett K;
                                                                                                                                                                                                    WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin; agonist;
insulin-resistance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aab52924 c
                                                                                                                                                                                                                                                                                                                                                               Sequence 33 AA;
                                                                         WO200066629-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200066629-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma sp.
                                                                                                                                       30-APR-1999;
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                                                   Heloderma sp
                                                                                            09-NOV-2000.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB52924;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young A,
                                                                                                                                                                                Young A,
Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to extendins and their agonists which have
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                              Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Type: P Check: 4739
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                                                                                                        to: 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG
                               HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . match found in sequence:
aab52923; Extendin agonist compound #51.
(from "seq4ags.pep")
(TOIG of: aab52923 check: 2764 from: 1
                                                                                  aab52922 ; Extendin agonist compound #50.
(from "seq4ags.pep")
TOIG of: aab52922 check: 4739 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Fig 4; 119pp; English.
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                                                                                                                             AAB52922 standard; peptide; 34 AA
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 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                            Extendin agonist compound #50.
                                                                                                                                                                                                                                                                                                             28-APR-2000; 2000WO-US011814
                                                                                                                                                                                                                                                                                                                                 99US-0132018P
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                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                          Young A, Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-672834/65.
                                                                         1 match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 34 AA;
                                                                                                                                                                                                                                                                    WO200066629-A1
                                                                                                                                                                                                                                               Heloderma sp.
                                                                                                                                                                                                                                                                                                                                 30-APR-1999;
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                                                                                                                                                                       28-FEB-2001
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                                                                                                                              SAXEX
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PBG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetres, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aab52924 ; Extendin agonist compound #52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKOMEERAVRLFIEWLKNGGPSS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Extendin agonist compound #52.
                                                                                                                                                                                                                                                                                                                                 28-APR-2000; 2000WO-US011814.
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AAB52925 Length:
Found using 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young A,
                                                                                                                                                                      Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                      Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                               The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Extendin; agonist, diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                   Type: P Check: 2325
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                                                                                                                                                                                                                                    February 4, 2005 13:20
                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                         . match found in sequence:
aab552925; Extendin agonist compound #53
(from "seq4ags.pep")
TOIG of: aab52925 check: 25 from: 1 '
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                                                                                           Disclosure, Fig 4; 119pp; English
                                                                                                                                                                                                                                                                                                                                                                                                         AAB52925 standard; peptide; 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    compound #53
                                                                                                                                                                                                                                    AAB52924 Length: 33 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-672834/65.
             WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Extendin agonist
                                                                                                                                                                                                          Sequence 33 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma sp.
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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  Check: 25
Length: 32 February 4, 2005 13:20 Type: P 'seq4' (mohamed337.key)
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aab52927 ; Extendin agonist compound #55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 from: 1
                                                                                                                                                                                                                                                                               check: 9586 from: 1
                                                                                                                                                                                                 match found in sequence:
aab52926 ; Extendin agonist compound #54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
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HGEGTFTSDLSKQMEERAVRLFIEWLKNGGPS
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                                                                                                                                                                                                                                                                                                                                AAB52926 standard; peptide; 32 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Extendin agonist compound #54
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TOIG of: aab52927 c
                                                                                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aab52926 c
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Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma sp.
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                 invention relates to extendins and their agonists which have
                                                                                                                                                                                                                                     been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
ab552929; Extendin agonist compound #57.
from "seq4ags.pop")
TOIG Of: aab52929 check: 4450 from: 1
                                                                                                                                                                         Disclosure; Fig 4; 119pp; English.
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Young A, Prickett K;
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                                             WPI; 2000-672834/65.
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                                                                                                                                                                                                                                                                                                                                                                      Sequence 31 AA;
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  Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to extendins and their agonists which have
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obseity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                            Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52928 ; Extendin agonist compound #56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Fig 4; 119pp; English
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                      Extendin agonist compound #55.
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of: aab52928
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                                                                                                                              Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                             foung A,
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
                                                                       Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB52931 Length: 29 February 4, 2005 13:20 Type: P Check: 2320 Found using 'seq4' (mohamed337.key)
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aab52932; Extendin agonist compound #60.
from "seq4ags.pep")
TOIG of: aab52932 check: 6333 from: 1
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                                     Extendin agonist compound #59.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 29 AA;
                                                                                                                                                                     WO200066629-A1
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                                                                                                                                 Heloderma sp.
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 28-FEB-2001
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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             Length: 30 February 4, 2005 13:20 Type: P Check: 4450 'seq4' (mohamed337.key)
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    ab55291 ; Extendin agonist compound #59.
    (from "seq4ags.pep")
    TOIG of: aab52931 check: 2320 from: 1
                                                                                                                                                                   . match found in sequence:
aab52930 ; Extendin agonist compound #58.
(from "seq4ags.pep")
TOIG of: aab52930 check: 2759 from: 1
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                                                                                       HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
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               AAB52929 L
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Sequence 38 AA;
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                                                              Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                        The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucae tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                            Check: 6333
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKOMEEEAVRLF1EWLKNGGPSSGAPPP
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                                                                                                                    Disclosure; Fig 4; 119pp; English
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                 Prickett K;
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TOIG of: aab52933 c
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                 Young A,
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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   Check: 6333
   Type: P
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AAB52933 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
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                                                                                                                   HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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   aab52935; Extendin agonist compound #63.
   (from "seq4ags.pep")
   TOIG Of: aab52935 check: 4125 from: 1
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                                                                                                                                                                                                                                             match found in sequence:
aab52934 ; Extendin agonist compound #62
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TOIG of: aab52934
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                             Modified exendin or an exendin agonist linked to one or more polyethylene
glycol (PEG) polymers, modulate plasma glucose levels, useful for
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                                                                                                                                                                                                                                                        The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB52936 Length: 37 February 4, 2005 13:20 Type: P Check: 3293 Found using 'seq4' (mohamed337.key)
                                                                                                                                                      glycol (PEG) polymers, modulate plasma glucose le
treating disorders such as diabetes and obesity.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP
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aab52937; Extendin agonist compound #65.
[from "seq4ags.pep"]
TOIG of: aab52937 check: 333 from: 1
                                                                                                                                                                                                                      Disclosure, Fig 4; 119pp; English.
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(AMYL-) AMYLIN PHARM INC.
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                                         Prickett K;
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                                                                                    WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 37 AA;
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                                             Young A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                        Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab55936; Extendin agonist compound #64
(from "seqage.pop")
TOIG of: aab52936 check: 3293 from: 1
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                                                               Extendin agonist compound #63
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                          Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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g 'seq4' (mohamed337.key)
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aab52940; Extendin agonist compound #68.
(from "seq4ags.pep")
TOIG of: aab52940 check: 369 from: 1
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                                                                          Extendin agonist compound #67.
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                                                                                                                                                                     Heloderma sp.
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AAB52939;
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obseity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                       Check: 333
                                                       AAB52937 Length: 36 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
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                                                                                                                              HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
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RGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGA
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                                                                                                                                                                                                         1 match found in sequence:
aab52938 ; Extendin agonist compound #66
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aab52939 ; Extendin agonist compound #67.
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                                                                                                                                                                                                                                                                                                                                                                                                                      Extendin agonist compound #66.
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TOIG of: aab52938
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TOIG of: aab52939
                   Sequence 36 AA;
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Young A,

AAB52938

28-APR-2000; 2000WO-US011814.

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AAB52939 standard; peptide; 30 AA.

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99US-0132018P.

30-APR-1999;

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28

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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insulin-resistance syndrome; food intake.
                                                                                   AAB52941 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
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aab52942; Extendin agonist compound #70.
(from "seq4ags pep")
TOIG of: aab52942 check: 701 from: 1
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aab52943 ; Extendin agonist compound #71.
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HGEGTFSSDLSKQMEEEAVRLFIEWLKN
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TOIG of: aab52943 c
                                             Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                              been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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to
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                                                                                                                                                                                                                                                Disclosure; Fig 4; 119pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aab52941 ; Extendin agonist compound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTXTSDLSKQLEEEAVRLFIEFLKN
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                     (AMYL-) AMYLIN PHARM INC.
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                                                                Prickett K;
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                                                                                                           WPI; 2000-672834/65.
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TOIG of: aab52941 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
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                                                                Young A,
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Type: P Check: 701

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AAB52943;

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                        The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperslycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . match found in sequence:
aab52946; Extendin agonist compound #74.
[from "seq4ags.pep"]
(Tool of: aab52946 check: 1045 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure, Fig 4; 119pp; English.
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HGEGTFTSDLSKQLEEEAVRLXIEFLKN
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99US-0132018P
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                                         (AMYL-) AMYLIN PHARM INC.
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                                                                                Prickett K;
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                                                                                                                      WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
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30-APR-1999;
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                                                                                   Young A,
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                                                                                                                                            Extendin; agonist, diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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                                                                                                    Extendin agonist compound #71.
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                                                           (first entry)
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of: aab52945 c
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Young A,

Heloderma

AAB52945

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                            Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52949; Extendin agonist compound #77.
[from "seq4ags.pep"]
(TOIG of: aab52949 check: 2649 from: 1
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HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS
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AAB52948 standard; peptide; 33 AA.
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                                                                                                                        Extendin agonist compound #76.
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                                          AAB52948;
  Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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syndrome, postprandial hyperglycaemia, eating disorders, insulin
resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                AAB52946 Length: 28 February 4, 2005 13:20 Type: P Check: 1045 Found using 'seq4' (mohamed337.key)
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   aab52948 ; Extendin agonist compound #76.
   (from "seq4ags.pep")
   TOIG of: aab52948 check: 2215 from: 1
                                                                                                                                                                                                                                                                     1 match found in sequence:
   aab52947; Bxtendin agonist compound #75.
from "seq4ags.pep")
TOIG Of: aab52947 check: 237 from: 1
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HGEGTFTSDLSKQLEEEAVRLFIDFLKN
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                                                              Sequence 28 AA;
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WO200066629-A1
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                                                               AAB52950
ន្តដូន្ធន
                                                                                                                                                                                                           Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                             The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glyool (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
                                                                                                                                                                                                                                                             29 February 4, 2005 13:20 Type: P Check: 2649 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                      to: 37
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                                                                                                                                                                                                                                                                                                                                                     aab52950 ; Extendin agonist compound #78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Fig 4; 119pp; English.
                                                                                                                                           Disclosure; Fig 4; 119pp; English
                                                                                                                                                                                                                                                                                                         HGEGTFTSDASKQMEEEAVRLFIEWLKNG
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                                                                                                                                                                                                                                                                                                                                                                                                            AAB52950 standard; peptide; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Extendin agonist compound #78.
          99US-0132018P
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                                                                                                                                                                                                                                                                                                                                                                                       check: 3183
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                               (AMYL-) AMYLIN PHARM INC
                                                    Prickett K;
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                                                                          WPI; 2000-672834/65.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   agonist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             insulin-resistance
                                                                                                                                                                                                                                                               AAB52949 Length: 29
                                                                                                                                                                                                                                                                                                                                                                            (from "seq4ags.pep"
TOIG of: aab52950
                                                                                                                                                                                                                                           Sequence 29 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200066629-A1
                                                                                                                                                                                                                                                                           Found using 'seq4'
          30-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Extendin;
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                                                      Young A,
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                        Check: 3183
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                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDASKQMEEEAVRLFIEWLKNGGPSSGAPP
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aab52960 ; Extendin agonist compound #88.
[from "seq4ags.ppp"]
TOIG Of: aab52960 check: 249 from: 1
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ab55264 i Extendin agonist compound #92.
(from "seqaga; pop")
TOIG of: aab52964 check: 688 from: 1
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                                                                                                                                                                                                            AAB52950 Length: 37 February 4, Found using 'seq4' (mohamed337.key)
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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insulin-resistance syndrome; food intake.
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ab53026; Extendin agonist compound #154.
[from "seq4ags.pep")
TOIG of: aab53026 check: 5882 from: 1
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28-APR-2000; 2000WO-US011814
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                                                                         (AMYL-) AMYLIN PHARM INC.
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                                                                                                                Young A, Prickett K;
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                                      30-APR-1999;
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                                                                                                                                                                       Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52967 ; Extendin agonist compound #95
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                standard; peptide; 28 AA.
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                                                                                                                                Extendin agonist compound #92.
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                                                                                           (first entry)
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TOIG of: aab52967
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                AAB52964
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from: 1

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obesity; eating disorder; dyslipidaemia; food intake.

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                        AAB53035 standard; peptide; 32
                                                                                                                                                                    Extendin agonist compound #163.
                                                                                                                                                                                                            Extendin; agonist; diabetes;
insulin-resistance syndrome;
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rolG of: aab53035 check: 9574
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                                                                                    AAB53035
                                            Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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  polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                  AAB53026 Length: 38 February 4, 2005 13:20 Type: P Check: 5882 Found using 'seq4' (mohamed337.key)
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                         HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
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HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aab53031 ; Extendin agonist compound #159.
(from "seq4ags.pep")
TOIG of: aab53031 check: 7002 from: 1
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insulin-resistance
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                                                                                                                 Sequence 38 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB53031;
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Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
Check: 9574
Type: P
                                                                                                                                                              to: 38
AAB53035 Length: 32 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
                                                                                                                     match found in sequence:
aab53039; Extendin agonist compound #167.
(from "seq4ags.pep")
TOIG of: aab53039 check: 6321 from: 1
                                              |-----|
HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                            AAB53039 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                 Extendin agonist compound #167.
                                                                                                                                                                                                                                                      28-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                      WO200066629-A1.
                                                                                                                                                                                                                                                                                                                                                         Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                  09-NOV-2000
                                                                                                                                                                                                BXBX8X8X8XBXBXBXB
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. match found in sequence: aab53035 ; Extendin agonist compound #163. (from "seq4ags.pep")

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88888888
                                                                                                                                                                                                                                                                                                                         Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Check: 6321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB53039 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Fig 4; 119pp; English.
                           28-APR-2000; 2000WO-US011814.
                                                                                   99US-0132018P
                                                                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                        Prickett K;
                                                                                                                                                                                                                                                               WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 38 AA;
                                                                                      30-APR-1999;
                                                                                                                                                                                                           Young A,
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Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                      to: 35
1 match found in sequence:
aab53043; Extendin agonist compound #171.
(from "seq4age.pep")
TOIG of: aab53043 check: 7441 from: 1
                                     35
                                                                                 Extendin agonist compound #171.
                                     AAB53043 standard; peptide;
                                                                  (first entry)
                                                                  28-FEB-2001
                                                   AAB53043
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WO200066629-A1 Heloderma sp. 09-NOV-2000

99US-0132018P. (AMYL-) AMYLIN PHARM INC 30-APR-1999;

28-APR-2000; 2000WO-US011814

Prickett K; Young A,

WPI; 2000-672834/65.

Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.

Disclosure; Fig 4; 119pp; English

The present invention relates to extendins and their agonists which have

The invention relates to a new method for evaluating beta-cell secretory capacity in an individual, or responsiveness of a beta-cell to glucose, comprising the administration of glucose and glucagon-like peptide-1 (GLP -1) or its biologically active analogues. The response in the individual to is then measured against the standard response of a healthy individual to determine if the individual has impaired beta-cell function. The method is useful for detecting impaired beta-cell function in an individual, and is particularly useful for diagnosing impaired glucose tolerance (IGT) and non-insulin-dependent (FYPP II) diabetes. The method is a rapid test of beta-cell function, which is a marker for impaired glucose tolerance. Unlike prior methods, the method is reliable and without significant adverse side effects and/or patient pain and discomfort. The method also provides information about insulin secretory capacity, and is easy and reproducible. The present sequence represents a Gila monster venom GLP-1 analogue peptide referred to in the disclosure of the invention Evaluating beta-cell secretory capacity and responsiveness to glucose, useful for diagnosing impaixed glucose tolerance and diabetes, comprises employing glucagon-like-peptide-1 as a diagnostic test to determine beta-cell function. Exendin 3; Gila monster venom; GLP-1 analogue; glucagon-like peptide-1; type II diabetee; non-insulin dependent diabetes mellitus; NIDDM; beta-cell function; secretory capacity; impaired glucose tolerance; IGT; beta-cell stimulatory test; diagnostic test; insulinotropic. been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion Type: P Check: 7441 match found in sequence: aab60252 ; Gila monster venom GLP-1 analogue, exendin 3. Gila monster venom GLP-1 analogue, exendin 3. AAB53043 Length: 35 February 4, 2005 13:20 ound using 'seq4' (mohamed337.key) HGAGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGA check: 9591 from: 1 Disclosure; Page 13; 42pp; English. AAB60252 standard; peptide; 39 AA 14-JUN-2000; 2000WO-US016428 99US-00333415. 28-MAR-2001 (first entry) (BION-) BIONEBRASKA INC. Vilsboll T; WPI; 2001-102518/11 Heloderma suspectum (from "seq4ags.pep") TOIG of: aab60252 c Sequence 35 AA; WO200077039-A2 15-JUN-1999; 21-DEC-2000. Holst JJ, AAB60252; Found using

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Fri Feb
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Evaluating beta-cell secretory capacity and responsiveness to glucose, useful for diagnosing impaired glucose tolerance and diabetes, comprises employing glucagon-like-peptide-1 as a diagnostic test to determine beta-cell function.
                                                                                                                                                                                                                                                                                                  Exendin 4; Gila monster venom; GLP-1 analogue; glucagon-like peptide-1; type II diabetes; non-insulin dependent diabetes mellitus; NIDDW; beta-cell function; secretoxy capacity; impaired glucose tolerance; IGT; beta-cell stimulatory test; diagnostic test; insulinotropic.
                         AAB60252 Length: 39 February 4, 2005 13:19 Type: P Check: 9591
Found using 'seq4' (mohamed337.key)
                                                                                                                              match found in sequence:
aab60254 ; Gila mongter venom GLP-1 analogue, exendin 4.
                                                                                                                                                                                                                                                                          Gila monster venom GLP-1 analogue, exendin 4.
                                                             |-----|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
1
                                                                                                                                                                    check: 9570 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 13; 42pp; English.
                                                                                                                                                                                              AAB60254 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                 28-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (BION-) BIONEBRASKA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Holst JJ, Vilsboll T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-102518/11.
                                                                                                                                                                                                                                                                                                                                                                    Heloderma suspectum
                                                                                                                                                        (from "seq4ags.pep")
TOIG of: aab60254 c
Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                             WO200077039-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                     21-DEC-2000.
                                                                                                                                                                                                                        AAB60254;
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The invention relates to a new method for evaluating beta-cell secretory capacity in an individual, or responsiveness of a beta-cell to glucose, comprising the administration of glucose and glucagon-like peptide-1 (GLP-1) or its biologically active analogues. The response in the individual is then measured against the standard response of a healthy individual determine if the individual has impaired beta-cell function. The method is particularly useful for diagnosing impaired blucose tolarance (IGT) and non-insulin-dependent (type II) diabetes. The method is a rapid test of beta-cell function, which is a marker for impaired glucose tolerance. Unlike prior methods, the method is reliable and without significant adverse side effects and/or patient pain and discomfort. The method also provides information about insulin secretory capacity, and is easy and reproducible, The present sequence represents a Gila monster venom GLP-1 analogue peptide referred to in the disclosure of the invention

Sequence 39 AA;

AAB60254 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 ound using 'seq4' (mohamed337.key) Found using 'seq4'

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HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAPPPS
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1 match found in sequence: aab64181 ; Mexican beaded lizard exendin-3, SEQ ID NO:1.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive of isorders such as pre-clampsia, and urinary tract infections. GDM regults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocateseamia, hypomagnesemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Maxican beaded lizard (exendin-4) and the Maxican beaded lizard (exendin-4) and the Maxican beaded lizard which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents exendin-3 cemptying and reduce appetite. The present sequence represents exendin-3 cemptying and reduce appetite. The present sequence represents exendin-3 cemptying and reduce appetite. The present sequence represents exendin-3 cemptying and reduce appetite. The present sequence represents eventin-3 cemptying and reduce appetite in specifically claimed for the contraction of the contrac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                           Exendin-3; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; Mexican beaded lizard.
                                                                                                                                                                                                                              Mexican beaded lizard exendin-3, SEQ ID NO:1.
                        to: 39
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                     check: 9591 from: 1
                                                                        AAB64181 standard; peptide; 39 AA.
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                                                                                                                                                                        27-MAR-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiles R, Prickett KS;
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                                                                                                                                                                                                                                                                                                                                                                                    Heloderma horridum
(from "seq4ags.pep")
TOIG of: aab64181 c
                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-DEC-2000.
                                                                                                                             AAB64181;
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Sequence 39 AA;

AAB64181 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

to: 39 1 match found in sequence:
aab64182; 631a monster exendin-4, SEQ ID NO:2.
(from "seq4ags.pep")
TOIG Of: aab64182 check: 9570 from: 1 to: 3

AAB64182 standard; peptide; 39 AA

AAB64182;

(first entry) 27-MAR-2001

Gila monster exendin-4, SEQ ID NO:2.

Exendin-4; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; Gila monster.

Heloderma suspectum

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 12; Page 11; 133pp; English.

cendin agonist (AAB64185-B64368) for treating pregnancy, and indeptes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycytheemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the alivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional contrain the reapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents exendin-4 in the gila monster, which is specifically claimed for use in the The invention relates to the use of an exendin (AAB64181-B64182) or an nvention

Sequence 39 AA;

AAB64182 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

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|-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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match found in sequence: aab64185 ; Exendin-4 (1-30), SEQ ID NO:6. (from "seq4ags.pep") TOIG of: aab64185 check: 4889 from: 1

to: 30

AAB64185 standard; peptide; 30 AA.

AAB64185;

27-MAR-2001 (first entry)

Exendin-4 (1-30), SEQ ID NO:6.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

WO200073331-A2.

Heloderma suspectum.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 13; Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agoniat (AAB64189-B64368) for treating gestational diabbtes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites can bypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraind not not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a precifically claimed exendin agonist, which is based upon the sequence of secondina. exendin-4

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Sequence 30 AA;
g
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AAB64185 Length: 30 Pebruary 4, 2005 13:19 Type: P Check: 4889 Found using 'seq4' (mohamed337.key) |------| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

match found in sequence:
aab64186; Exendin-4 (1-30)-amide, SEQ ID NO:7.
(from "seq4ags.pep")
TOIG of: aab64186 check: 4889 from: 1 to: 3

to: 30

AAB64186 standard; peptide; 30 AA

AAB64186;

27-MAR-2001 (first entry)

Exendin-4 (1-30)-amide, SEQ ID NO:7.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2

07-DEC-2000,

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 13; Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistances, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

specifically claimed exendin agonist, which is based upon the sequence of exendin-4 SXXX

Sequence 30 AA;

AAB64186 Length: 30 February 4, 2005 13:19 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLF1EWLKNGG

1 match found in sequence:
 aab64187 ; [Leu 14, Ala 22, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:8.
 (from "seq4ags.pep")
 TOIG of: aab64187 check: 151 from: 1 to: 28

AAB64187 standard; peptide; 28 AA.

AAB64187;

27-MAR-2001 (first entry)

[Leu 14, Ala 22, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:8.

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication; neonatal abnormality, blood glucose modulator; insulinotropic, anorectic, exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Disclosure, Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive associated with an elevated rate of foetal abnormalities such as neural tuber cesults in an elevated rate of foetal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB6418-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancis, both insulin resistance and insulin secretion increase. GDM pregnancise are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-clampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity.

Exendin are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                      4187 Length: 28 February 4, 2005 13:19 Type: P Check: 151 using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aab64188 ; [Leu 14, Phe 25]- exendin-4 amide, SEQ ID NO:9.
(from "seq4ags.pep")
TOIG of: aab64188 check: 9131 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Leu 14, Phe 25] - exendin-4 amide, SEQ ID NO:9.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB64188 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Heloderma suspectum
                                                                                                                  Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiles R,
                                                                                                                                                                                                                                                                                                                                                                        aab64188 ;
                                                                                                                                                             AAB64187
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both a sesociated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, byperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a specifically claimed exendin agonist, which is based upon the sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                           Type: P Check: 9131
                                                                                                                                                                                                                                                                                                                                                                                                                                           to: 39
                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                        AAB64188 Length: 39 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1
                                                                                                                                                                                                                                                                                                                                                                             . match found in sequence:
aab64189; Exendin agonist, SEQ ID NO:9.
(from "seq4ags.pep")
TOIG of: aab64189 check: 9351 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; Fig 1A; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB64189 standard; peptide; 39 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist, SEQ ID NO:9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23-MAY-2000; 2000WO-US014231.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Heloderma suspectum
                                                                                                                                                                      Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                               exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB64189;
  888888888
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seq4 ags.res

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homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight again, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
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Sequence 39 AA;

AAB64189 Length: 39 February 4, 2005 13:19 Type: P Check: 9351 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGPSSGAPPPS

to: 39 from: 1 1 match found in sequence:
abf64190 ; Exendin agonist, SEQ ID NO:10.
(from 'seq4aga.pep")
TOIG of: aab64190 check: 9776 from: 1

AAB64190 standard; peptide; 39 AA 27-MAR-2001 (first entry) AAB64190;

Exendin agonist, SEQ ID NO:10.

gestational diabetes mellitus; GDM; insulin resistance; regnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist;

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 2; Fig 1A; 133pp; English. especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and iss due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. CCCCCCCCCCXXXX4444X4X4X4X4X4X4X6X88X4444X4X4X4X4X

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional limulin therapy, should not cause weight gain, as they inhibit agastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA; 886666666666666 AAB64190 Length: 39 February 4, 2005 13:19 Type: P Check: 9776 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 aab64191; Exendin agonist, SEQ ID NO:11. (from "seq4ags.pep") TOIG of: aab64191 check: 9365 from: 1 match found in sequence:

AAB64191;

Ź

AAB64191 standard; peptide; 39

(first entry)

27-MAR-2001

Exendin agonist, SEQ ID NO:11.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 3; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the fectus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of fectal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites

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such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
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Sequence 39 AA;

4191 Length: 39 February 4, 2005 13:19 Type: P Check: 9365 using 'seq4' (mohamed337.key) AAB64191 Found

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HGEGTFTSDLSKOMEEEAVRLPIEFLKNGGPSSGAPPPS
```

; ; from: 1 . match found in sequence:
aab64192 ; Exendin agonist, SEQ ID NO:12.
(from "seq4ags.pep")
TOIG of: aab64192 check: 9807 from: 1

39

AAB64192 standard; peptide; 39 AA.

Exendin agonist, SEQ ID NO:12.

27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 3; Fig 1A; 133pp; English. especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes meallitus (GDM) in a paitient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gasarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM

results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesemia, polycythaemia, hyperbilitubinaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for ont cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional contraint therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

Type: P Check: 9807 AAB64192 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

/GEGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

1 match found in sequence:
ab54193; Exendin agonist, SEQ ID NO:13.
(from "seq4ags.pep")
TOIG of: aab64193 check: 24 from: 1 to: 39

AAB64193 standard; peptide; 39 AA 27-MAR-2001 (first entry) AAB64193;

Exendin agonist, SEQ ID NO:13.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 4; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women

with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycytheemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinctropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

AAB64193 Length: 39 February 4, 2005 13:19 Type: P Check: 24 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPY

to: 39 ab64194; Exendin agonist, SEQ ID NO:14. (from "seq4ags.pep")
TOIG of: aab64194 check: 9787 from: 1 1 match found in sequence: aab64194 ;

AAB64194 standard; peptide; 39 AA (first entry) 27-MAR-2001 AAB64194;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:14.

Heloderma suspectum Synthetic.

07-DEC-2000

WO200073331-A2.

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 5; Fig 1A; 133pp; English.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both The invention relates to the use of an exendin (AAB64181-B64182) or

with GDM have increased rates of Caesarian delivery, by preparative are associated with Complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocaclaemia, hypomagnesaenia, polycythaemia, hypomagnesaenia, polycythaemia, hypomagnesaenia, polycythaemia, hyporaglycaenia, and subsequent childhood and adolescent obseity. Exendins are peptides from the Salivary Secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for COMP, exendins and exendin agonists of onc cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional inclusion and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 insulin resistance and insulin secretion increase. GDM pregnancies are 8888888888888888888888888888888888

Sequence 39 AA;

AAB64194 Length: 39 February 4, 2005 13:19 Type: P Check: 9787 Found using 'seq4' (mohamed337.key)

:

HGDGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 . match found in sequence: aab64195 ; Exendin agonist, SEQ ID NO:15. check: 9898 from: 1 (from "seq4ags.pep") TOIG of: aab64195

AAB64195 standard; peptide; 39 AA 27-MAR-2001 (first entry) AAB64195;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:15.

Heloderma suspectum

WO200073331-A2. Synthetic.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 6; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a

with CDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. Women results in an elevated rate of focatal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalpriania, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-1) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional contraind and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are

Sequence 39 AA;

AAB64195 Length: 39 February 4, 2005 13:19 Type: P Check: 9898 Found using 'seg4' (mohamed337.key)

HGEGTXTSDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 from: 1 l match found in sequence:
aab64196 ; Exendin agonist, SEQ ID NO:16.
[from "seq4ags.pep"]
TOIG of: aab54196 check: 9783 from: 1

AAB64196 standard; peptide; 39 AA 27-MAR-2001 (first entry) AAB64196;

Exendin agonist, SEQ ID NO:16.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 7; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an

increase insulin secretion. In oursely, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM essuling in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, byperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 is due to bility to exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due combination of increased insulin resistance and a diminished ability

AAB64196 Length: 39 February 4, 2005 13:19 Type: P Check: 9783 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

HGEGTFSSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 aab64197; Exendin agonist, SEQ ID NO:17. (from "seq4ags.pep")
TOIG of: aab64197 check: 9791 from: 1 AAB64197 standard; peptide; 39 AA. 1 match found in sequence: AAB64197;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:17.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 8; Fig 1A; 133pp; English.

Example 9; Fig 1A; 133pp; English.

comparation transfer and a normal pregnancy, both insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of meomatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the allivary secretions of the Gla monster. Compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin appoints do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional computing the invention which is based upon the sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to The invention relates to the use of an exendin (AAB64181-B64182) or an Sequence 39 AA;

AAB64197 Length: 39 February 4, 2005 13:19 Type: P Check: 9791 Found using 'seq4' (mohamed337.key)

HGEGTFSTDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS

1 match found in sequence:
aab64198 ; Exendin agonist, SEQ ID NO:18.
[from "seq4ags.pep"]
TOIG Of: aab64198 check: 9798 from: 1 check: 9798 from: 1 AAB64198 standard; peptide; 39 AA

to: 39

Exendin agonist, SEQ ID NO:18. 27-MAR-2001 (first entry) AAB64198;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, glucose levels and tre especially in a human.

Use of exendins or exendin agonists for lowering or reducing blood

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; 2001-137634/14.

combination relates to the use of an exeminal (AMBSA1021-DOIN Telegrate to the exeminal preparation relates to the accention against (AABSA185-B64368) for treating preparancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbillirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit componed with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for content and prolonged effect on blood glucose, and, unlike conventional content and prolonged effect on blood glucose, and, unlike conventional content and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4. Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. invention relates to the use of an exendin (AAB64181-B64182) or an AAB64198 Length: 39 February 4, 2005 13:19 Type: P Check: 9798 Found using 'seq4' (mohamed337.key) to: 39 |-----| HGEGTFTTDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS (from "seq4ags.pep") TOIG of: aab64199 check: 9799 from: 1 . match found in sequence: aab64199 ; Exendin agonist, SEQ ID NO:19. AAB64199 standard; peptide; 39 AA Exendin agonist, SEQ ID NO:19. 23-MAY-2000; 2000WO-US014231. 27-MAR-2001 (first entry) Heloderma suspectum, WO200073331-A2. Sequence 39 AA; 01-JUN-1999; 07-DEC-2000. Synthetic. AAB64199; seq4_ags.res

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes malitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hyporaglocamia, polycoalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polychaemia, polychaemia
   levels and treating gestational diabetes mellitus in a subject,
                                                                                                            Example 10; Fig 1A; 133pp; English
                                      especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39 AA;
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AAB64199 Length: 39 February 4, 2005 13:19 Type: P Check: 9799 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSELSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

1 match found in sequence:
aab54200 ; Exendin agonist, SEQ ID NO:20.
(from seq4ags.pep.)
TOIG of: aab64200 check: 9910 from: 1

to: 39

AAB64200 standard; peptide; 39 AA. Exendin agonist, SEQ ID NO:20. 27-MAR-2001 (first entry) AAB64200;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

careadin agonist (AAB64185-BR6436) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoclycaemia, hypocmagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, hypothite can beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to tract type 2 disbetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a poth poth in the present sequence represents a exendin and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, invention relates to the use of an exendin (AAB64181-B64182) or an AAB64200 Length: 39 February 4, 2005 13:19 Type: P Check: 9910 Found using 'seq4' (mohamed337.key) to: 39 **HGEGTFTSDXSKQMEEEAVRLPIEWLKNGGPSSGAPPPS** aab64201 ; Exendin agonist, SEQ ID NO:21. check: 9471 from: 1 Example 11; Fig 1A; 133pp; English. especially in a human. 1 match found in sequence: (from "seq4ags.pep") TOIG of: aab64201 c Sequence 39 AA;

AAB64201 standard; peptide; 39 AA. Exendin agonist, SEQ ID NO:21. (first entry) 27-MAR-2001 AAB64201;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Heloderma suspectum WO200073331-A2. Synthetic.

23-MAY-2000; 2000WO-US014231. 99US-00323867. 01-JUN-1999; 07-DEC-2000.

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

Prickett KS;

Hiles R,

Example 13, Fig 1A, 133pp, English

especially in a human.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with disorders such as pre-clampsia, and urinary trace infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for
                                                                                   exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                   Example 12; Fig 1A; 133pp; English.
                                                                                                                                           especially in a human.
                          WPI; 2001-137634/14.
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cxendin agonist (AAB64185-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to
exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GND pregnancies are
associated with complications in both the mother and the foctus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and uninary tract infections. GDM
results in an elevated rate of foctal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.
Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
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compounds used to treat type 2 diabetes, which are contraindicated for
compounds used contrain agonists do not cross the placents and thus do
not cause severe prolonged effect on blood glucose, and, unlike conventional
mother and prolonged effect on blood glucose, and, unlike conventional
mother and prolonged effect on blood glucose, and enveloped effect

AAB64201 Length: 39 February 4, 2005 13:19 Type: P Check: 9471 Found using 'seq4' (mohamed337.key) HGEGTFTSDXSKQLEEEAVRLPIEFLKNGGPSSGAPPPS

AAB64202 Length: 39 February 4, 2005 13:19 Type: P Check: 9944 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

HGEGTFTSDLSKQXEEEAVRLPIEWLKNGGPSSGAPPPS

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Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                               to: 39
                                                                                                                                                                                               check: 9944 from: 1
match found in sequence:
aab64202 ; Exendin agonist, SEQ ID NO:22
                                                                                                                                                                                                                                                                                                        AAB64202 standard; peptide; 39 AA.
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                                                                                                                             (from "seq4ags.pep"
TOIG of: aab64202
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      1 match
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23-MAY-2000; 2000WO-US014231

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator, to: 39 insulinotropic; anorectic; exendin-4. check: 9519 from: 1 1 match found in sequence: aab64203 ; Exendin agonist, SEQ ID NO:23. AAB64203 standard; peptide; 39 AA Exendin agonist, SEQ ID NO:23. 23-MAY-2000; 2000WO-US014231. 99US-00323867. 27-MAR-2001 (first entry) Heloderma suspectum (from "seq4ags.pep TOIG of: aab64203 WO200073331-A2 01-JUN-1999; 07-DEC-2000. Synthetic. AAB64203;

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cerendin agonist (AAB64185-De64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Casarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of meometal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 angulation which is based upon the sequence of exendin-4
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                                                                                                                                                            Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                        invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64203 Length: 39 February 4, 2005 13:19 Type: P Check: 9519 Found using 'seq4' (mohamed337.key)
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aab64204 ; Exendin agonist, SEQ ID NO:24.
                                                                                                                                                                                                                                                          Example 14; Fig 1B; 133pp; English
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                      (AMYL-) AMYLIN PHARM INC.
                                                                    Prickett KS;
                                                                                                                   WPI; 2001-137634/14
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TOIG of: aab64204 c
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                                                                    Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycytheemia, byporalcaemia, hypomagnesemia, polycytheemia, byperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for an election of the members of the members and thus do not cross the placent and thus do not and such as everal members of the members and thus and contraind of the contraindicated for an election of the members and thus and allowed allowed allowed and allowed and allowed allowed allowed and allowed allo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exandin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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Found using 'seq4' (mohamed337.key)
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aab64205; Exendin agonist, SEQ ID NO:25.
(from seq4ags.pep")
TOIG of: aab64205 check: 9790 from: 1
                                                                                                                                                                                                                                                                                                                                                                   Example 15; Fig 1B; 133pp; English.
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                          99US-00323867.
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                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                especially in a human.
                                                                                                                                     Hiles R, Prickett KS,
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                          01-JUN-1999;
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07-DEC-2000.

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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rate of foecal abnormalities such as neural tube castories such as pre-eclampsia, and unimary tract infections. GDM regnancies are hypoclycaemia, and elevated with an increased risk of neonatal morbidites such as hypoclycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Mexican beaded lizard (exendin-3) which sexial members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-gaonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                          Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                              Example 16; Fig 1B; 133pp; English.
                        23-MAY-2000; 2000WO-US014231.
                                                                        99US-00323867.
                                                                                                                               (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                               especially in a human.
                                                                                                                                                                                 Prickett KS;
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                                                                             01-JUN-1999;
                                                                                                                                                                                      Hiles R,
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AAB64205 Length: 39 February 4, 2005 13:19 Type: P Check: 9790 Found using 'seq4' (mohamed337.key) HGEGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

check: 9351 from: 1 match found in sequence: aab64206 ; Exendin agonist, SEQ ID NO:26 AAB64206 standard; peptide; 39 AA. (from "seq4aga.pep") TOIG of: aab64206 c

to: 39

Exendin agonist, SEQ ID NO:26. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64168) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocapleseania, polycythaemia, hypocapleseania, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional include appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                     Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                               Example 17; Fig 1B; 133pp; English.
                                                             23-MAY-2000; 2000WO-US014231.
                                                                                                         99US-00323867
                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
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                                                                                                         01-JUN-1999;
                     07-DEC-2000.
                                                                                                                                                                                                Hiles R,
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AAB64206 Length: 39 February 4, 2005 13:19 Type: P Check: 9351 Found using 'seq4' (mohamed337.key) HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGPSSGAPPPS

to: 39 aab64207 ; Exendin agonist, SEQ ID NO:27. from: 1 AAB64207 standard; peptide; 39 AA check: 135 1 match found in sequence: (from "seq4ags.pep") TOIG of: aab64207 AAB64207;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:27.

27-MAR-2001 (first entry)

Heloderma suspectum Synthetic.

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cendin agonist (AAB64185-Be4368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin recease. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonaral morbidites cauch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypotalcaemia, polycythaemia, hypotalcaemia, polycythaemia, hypotalcaemia, polycythaemia, hypotalcaemia, polycythaemia, hypotalcaemia, polycythaemia, bythaemia, and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-3) and the Maxican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the common and account and the contraindicated for the common and account and the common account and the contraindicated for the common account and the contraindicated for the contraindicated 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention relates to the use of an exendin (AAB64181-B64182) or an
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                      23-MAY-2000; 2000WO-US014231
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                                   WO200073331-A2
                                                                                                                                                                                                                                      01-JUN-1999;
                                                                                                   07-DEC-2000
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

23-MAY-2000; 2000WO-US014231.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

99US-00323867.

101-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; Example 19; Fig 1B; 133pp; English.

especially in a human.

WPI; 2001-137634/14.

to: 39 HGEGTFTSDLSKQMEEEAVRLPXEWLKNGGPSSGAPPPS check: 9696 from: 1 aab64208; Exendin agonist, SEQ ID NO:28. (from "seq4ags.pep")
TOIG of: aab64208 check: 9696 from: 1 AAB64208 standard; peptide; 39 AA 1 match found in sequence: **********

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:28. (first entry) 27-MAR-2001

AAB64208;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;

Exendin agonist, SEQ ID NO:29.

27-MAR-2001 (first entry)

AAB64209;

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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both cinsulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tubes defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporaliurbinaemia, and subsequent childhood and adolescent obesity. Exendin are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cause severe prolonged hypodlycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional consults about any represents and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
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TOIG of: aab64209 check: 9766 from: 1
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Synthetic.

Hiles R,

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27-MAR-2001 (first entry)
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                                                                                                Heloderma suspectum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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     insulinotropic; anorectic; exendin-4.
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TOIG of: aab64210
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AAB64210;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tuber sells and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypomagnessemia, polycythaemia, hyporallirubineamia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-3) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, permitted and exendin-4) and have similar insulinotropic effects. Unlike the common exending and exendin arminia and exendin arminia and exendin amonter and thus of the glucagon-like peptide family.
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
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ab64211; Exendin agonist, SEQ ID NO:31.
(from "seq43gs.ppp")
TOIG of: aab64211 check: 926 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 21; Fig 1B; 133pp; English.
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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as newral tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocaphesemia, polycythaemia, hypocaphicuses from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-6) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cross the placenta and thus do not cause severe prolonged hypodylycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional complying and reduce appetite. The present sequence represents a exendin-9 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                           Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
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                                                                 Exendin agonist, SEQ ID NO:32.
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      27-MAR-2001 (first entry)
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   cx The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes metalitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin resistence and a normal pregnancy, both thankin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polychlaemia, hyporaglosand, hyporagnessemia, polycoalcaemia, hypomagnessemia, polychlaemia, hyporaglosand, polycoalcaemia, hypomagnessemia, polycoalcaemia, hypomagnessemia, polychlaemia, hypomagnessemia, polychlaemia, hypomagnessemia, polychlaemia, hypomagnessemia, polychlaemia, hypomagnessemia, polychlaemia, hypomagnessemia, polycoalcaemia, polyco
                                                          Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
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Exendin agonist, SEQ ID NO:31.
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                                                                                                                                                                                                   Heloderma suspectum
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                                                                                                                                                                                                                                                                                                WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                    07-DEC-2000
                                                                                                                                                                                                                                     Synthetic.
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99US-00323867.

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AAB64212 Length: 39 February 4, 2005 13:19 Type: P Check: 678 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                        to: 39
                                                                                                                             |-----|
HGEGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAXXXS
                                                                                                                                                                                                                                                        . match found in sequence:
aab64213; Exemin agonist, SEQ ID NO:33.
(from "seq44gg.pen")
TOIG of: aab64213 check: 926 from: 1
                                                                                                                                                                                                                                                                                                                                                                                              AAB64213 standard; peptide; 39 AA
Sequence 39 AA;
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from: 1 to: 39

aab64212; Exendin agonist, SEQ ID NO:32. (from "seq4ags.pep")
TOIG of: aab64212 check: 678 from: 1

1 match found in sequence:

check: 678

AAB64212 standard; peptide; 39 AA.

AAB64212;

SKKA

HGEGTFTSDLSKQMEERAVRLPIEWLKNGGXSSGAXXXS

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating pregnancy, and is due to a mellitus (GDM) in a patient. GDM arises during pregnancy, both includes (GDM) in a patient. GDM arises and a diminished ability to combination of increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive cassociated with a primary tract infections. GDM regults in an elevated rate of foecal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (Exendin 4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The passed upon the sequence of exendin-4.
                                                                                                                          Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 24; Fig 1B; 133pp; English.
                                                                                     Exendin agonist, SEQ ID NO:33.
                                                                                                                                                                                                                                                                                                                                                                                                                        99US-00323867.
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                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prickett KS;
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                                                                                                                                                                                                                       Heloderma suspectum Synthetic.
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                                                                                                                                                                                                                                                                                        WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                          01-JUN-1999;
                                            27-MAR-2001
                                                                                                                                                                                                                                                                                                                                07-DEC-2000.
AAB64213;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hiles R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of
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February 4, 2005 13:19 Type: P Check: 926 AAB64213 Length: 39 February 4, Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEERAVRLPIEWLKNGGXSSGAXXXS

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to: 39
1 match found in sequence:
aab64214 ; Exendin agonist, SEQ ID NO:34.
                                                             from: 1
                                           (from "seq4ags.pep")
TOIG of: aab64214 check: 678
```

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. exendins or exendin agonists for lowering or reducing blood elects and treating gestational diabetes mellitus in a subject, Example 25; Fig 1B; 133pp; English. AAB64214 standard; peptide; 39 AA. Exendin agonist, SEQ ID NO:34. 23-MAY-2000; 2000WO-US014231. 99US-00323867. 27-MAR-2001 (first entry) (AMYL-) AMYLIN PHARM INC. glucose levels and tredespecially in a human. Hiles R, Prickett KS; WPI; 2001-137634/14. Heloderma suspectum WO200073331-A2. 01-JUN-1999; 07-DEC-2000. Synthetic. AAB64214; Use of

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes (CC exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin secretion increase. Gibb pregnancy, both increase insulin secretion increase. Gibb pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive Gibborders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, compounds are peptides from the salivary secretions of the Gila monster (C exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM exendins and exendin agonists do not cross the placenta and thus do compounds used effect on blood glucose, and, unlike conventional concentration and reduce appetite. The present sequence represents a exendin insulin therapy, should not cause weight gain, as they inhibit gastric general reduce appetite. The present sequence represents a exendin agonist of the present sequence represents a exendin constant of the invention which is based upon the sequence of exendin-4).

AAB64214 Length: 39 February 4, 2005 13:19 Type: P Check: 678 Found using 'seq4' (mohamed337.key) Sequence 39 AA;

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|-----|
HGEGTFTSDLSKQMEBEAVRLPIEWLKNGGPSSGAXXXS
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1 match found in sequence:
aab64215 ; Exendin agonist, SEQ ID NO:35.
(from "seq4ags.pep")

4 14:12:16 2005

Fri Feb

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to: 39
 from: 1
check: 487
TOIG of: aab64215
```

AAB64215 standard; peptide; 39 AA.

AAB64215;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:35.

insulin resistance; Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 26; Fig 1B; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes melitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated exte of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal worbidites such as hypoglycaenia, hyporaglessemia, polycythaemia, hyporaglycaenia, hyporaglessemia, hyporagloraenia, hyporaglessemia, polycythaemia, hyporaglin-thildhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional complying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

AAB64215 Length: 39 February 4, 2005 13:19 Type: P Check: 487 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGXSSGAXXXS

1 match found in sequence:

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to: 39
aab64216 ; Exendin agonist, SEQ ID NO:36.
                                    from: 1
                                    check: 487
                   (from "seq4ags.pep")
TOIG of: aab64216 o
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AAB64216 standard; peptide; 39

AAB64216;

27-MAR-2001

Exendin agonist, SEQ ID NO:36.

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 27; Fig 1B; 133pp; English.

exendin agonist (AAB64185-B648) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to embination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both sessociated with complications in both the mether and the focus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focus and interest of the secus and use associated with an increased risk of neonatal moralities such as hypoglycaemia, and subsequent childhood and adolsescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 39 AA;

AAB64216 Length: 39 February 4, 2005 13:19 Type: P Check: 487 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGXSSGAXXXS

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating pregnancy, and is due to a mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive cassociated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as pypoglycaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The pased upon the sequence of exendin-4 emptying and seconds which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                              Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                to: 39
                    aab64217; Exendin agonist, SEQ ID NO:37. (from "seq4ags.pep")
TOIG of: aab64217 check: 7660 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 28; Fig 1B; 133pp; English.
                                                                                                           AAB64217 standard; peptide; 39 AA
                                                                                                                                                                                                                                      Exendin agonist, SEQ ID NO:37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99US-00323867.
                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-137634/14.
1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JUN-1999;
                                                                                                                                                                                              27-MAR-2001
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                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                     AAB64217;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hiles R,
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AAB64217 Length: 39 February 4, 2005 13:19 Type: P Check: 7660 Found using 'seq4' (mchamed337.key) Sequence 39 AA;

HGEGTFTSDLSKQMEEEAVRLPIEWLKNGGASSGAAAAS

28

to: 39 (from "seq4ags.pep")
TOIG of: aab64218 check: 8125 from: 1 aab64218 ; Exendin agonist, SEQ ID NO:38 1 match found in sequence:

AAB64218 standard; peptide; 39 AA

AAB64218;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:38.

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

Hiles R, Prickett KS;

(AMYL-) AMYLIN PHARM INC.

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 29; Fig 1B; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GMD pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rate of foetal abnormalities such as neural tube cassociated with an increased risk of neonatal tube celests, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Maxican beaded lizard (exendin-3) which several members of the glucagon-like peptide family. Compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contrainin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence represents a exendin-3 contrainic cemptying and reduce appetite. The present sequence of exendin-4

Sequence 39 AA;

AAB64218 Length: 39 February 4, 2005 13:19 Type: P Check: 8125 Found using 'seq4' (mohamed337.key)

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Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                    to: 39
HGEGTFTSDLSKOMEEEAVRLPIEWLKNGGPSSGAAAAS
                                                                                                                                                                                 from: 1
                                                                                                                            aab64219 ; Exendin agonist, SEQ ID NO:39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 30; Fig 1B; 133pp; English.
                                                                                                                                                                                                                                 AAB64219 standard; peptide; 39 AA.
                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist, SEQ ID NO:39.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-MAY-2000; 2000WO-US014231.
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                                                                                                                                                                               check: 7221
                                                                                                                                                                                                                                                                                                                                      (first entry)
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                                                                                                    1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Heloderma suspectum.
Synthetic.
                                                                                                                                                          (from "seq4ags.pep"
TOIG of: aab64219
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The invention features to the use of an exeminal (Arbostos) of an exeminal exeminal diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion. In contrast, in a normal pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Casearian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of menatal morbidites could as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, hypoglycaemia, hypoglycaemia, hypomagnesaemia, hypoglycaemia, hypoglycaemia, and the Baricae, type compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for CGDM, exendins and exendin agoniate do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a coptent and prolonged effect on blood glucose, and, unlike conventional contention the rapp, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4, and passed upon the sequence of exendin-4. The invention relates to the use of an exendin (AAB64181-B64182) or an

AAB64219 Length: 39 February 4, 2005 13:19 Type: P Check: 7221

Sequence 39 AA;

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Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGASSGAAAAS

1 match found in sequence: aab64220; Exendin-4 (1-28)-amide, SEQ ID NO:40. (from "seq4ags.ppp") TOIG Of: aab54220 check: 700 from: 1 to: 28

AAB64220 standard; peptide; 28

AAB64220;

27-MAR-2001 (first entry)

Exendin-4 (1-28)-amide, SEQ ID NO:40.

Exendin agonist; gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

(AMYL-) AMYLIN PHARM INC.

99US-00323867.

1999;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 13; Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64168) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-celampsla, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypomagnessemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes; which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a specifically claimed exendin agonist, which is based upon the sequence of exendin-4

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ន្តដ្ឋដូ The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cessarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural urbe defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, captides from the salivary secretions of the Gila monster exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cross the placent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, AAB64220 Length: 28 February 4, 2005 13:19 Type: P Check: 700 Found using 'seq4' (mohamed337.key) match found in sequence:
aab64221; [Leu 14, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:41.
(from "seq4ags.pep")
TOIG of: aab64221 check: 261 from: 1 to: 28 [Leu 14, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:41. Claim 13; Page 13; 133pp; English. AAB64221 standard; peptide; 28 AA |------| HGEGTFTSDLSKQMEEEAVRLFIEWLKN 99US-00323867 23-MAY-2000; 2000WO-US014231 27-MAR-2001 (first entry) (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; especially in a human. WPI; 2001-137634/14. Heloderma suspectum. Sequence 28 AA; WO200073331-A2. 01-JUN-1999; 07-DEC-2000. Synthetic. AAB64221;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitus (GDW) in a parient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the fectus. Women with GDM have increased rates of Cassarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, caperilirubinaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a
specifically claimed exendin agonist, which is based upon the sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
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                                                                                                                                                                                                             AAB64221 Length: 28 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     aab64222; Exemdin agonist, SEQ ID NO:42.
(from "seq4ags.pep")
TOIG of: aab6422 check: 249 from: 1 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64222 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                Sequence 28 AA;
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                                                   exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64222;
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combination agonier (AAB64185-BEA1368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both combination of increased insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cesearian delivery, hypertensive clusorders such as pre-eclampsia, and urinary tract infections. GDM regnancies in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cluck as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinemia, and subsequent childhood and adolescent obssity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit paticularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                   AAB64222 Length: 28 February 4, 2005 13:19 Type: P Check: 249 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                        match found in sequence:
aab64223; Exendin agonist, SEQ ID NO:43.
(from "seq4ags.pep")
TOIG of: aab64223 check: 166 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64223 standard; peptide; 28 AA.
                                                                                                                                                                                                                                   HAEGTFTSDLSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist, SEQ ID NO:43.
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                                                                                                             Sequence 28 AA;
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    8888888
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64168) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypotabiliruhiaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salvary secretions of the Glia monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator, insulinotropic, anorectic, exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             homology with several members of the glucagon-like peptide family,
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                                                                                                                                                                                           AAB64223 Length: 28 February 4, 2005 13:19 Type: P. Check: 166
Found using 'seq4' (mohamed337.key)
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С
                                                                                                                                                                                                                                                                                                                                                                match found in sequence:
abb64224; Exendin agonist, SEQ ID NO:44.
(from "seq4ags.pep")
TOIG of: aab64224 check: 231 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB64224 standard; peptide; 28 AA
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HGEGAFTSDLSKQLEBEAVRLFIBFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist, SEQ ID NO:44.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma suspectum
                                                                                                                                                     Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64224;
                                                                                                                                                                                                                                                                                                                                                                  1 match
    8888888888
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particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional linulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

8888888888

Sequence 28 AA;

AAB64224 Length: 28 February 4, 2005 13:19 Type: P Check: 231 Found using 'seq4' (mohamed337.key)

HGEGTATSDLSKQLEEEAVRLFIEFLKN 1

aab64225 ; Exendin agonist, SEQ ID NO:45.
(from "seq4ags.pep")
TOIG of: aab64225 check: 117 from: 1 to: 1 match found in sequence:

58

AAB64225 standard; peptide; 28 AA. 27-MAR-2001 (first entry) AAB64225;

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic, anorectic, exendin-4.

Exendin agonist, SEQ ID NO:45.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 38; Page 49; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes (mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistence and a diminished ability to increase insulin resistence. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypogalycaemia, hypocalcaemia, hypocalcaemia, polycythaemia, hypocalcaemia, polycythaemia, hyposalcus second adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster

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(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniers do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                888888888888
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Sequence 28 AA;

AAB64225 Length: 28 February 4, 2005 13:19 Type: P Check: 117 Found using 'seq4' (mohamed337.key)

HGEGTFTADLSKOLEEEAVRLFIEFLKN

from: 1 to: 28 ID NO:46. aab64226; Exendin agonist, SEQ (from "seq4ags.pep") TOIG of: aab64226 check: 151 1 match found in sequence:

AAB64226 standard; peptide; 28 AA AAB64226;

Exendin agonist, SEQ ID NO:46. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2. 07-DEC-2000, 23-MAY-2000, 2000WO-US014231

99US-00323867 01-NUL-1099;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 39; Page 49; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mailitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM regults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,

hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-8866666666666688888

Sequence 28 AA;

AAB64226 Length: 28 February 4, 2005 13:19 Type: P Check: 151 Found using 'seq4' (mohamed337.key)

HGEGTFTSDASKQLEEEAVRLFIEFLKN

to: 28 . match found in sequence: aab64227 ; Exendin agonist, SEQ ID NO:47. check: 63 from: 1 (from "seq4ags.pep") TOIG of: aab64227 c

AAB64227 standard; peptide; 28 AA AAB64227;

27-MAR-2001 (first entry)

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator, pregnancy complication; neonatal abno insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:47.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 40; Page 50; 133pp; English. especially in a human.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube The invention relates to the use of an exendin (AAB64181-B64182) or an

defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporablirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional finsulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 88888888888888888888888888

Sequence 28 AA;

63 AAB64227 Length: 28 February 4, 2005 13:19 Type: P Check: Found using 'seq4' (mohamed337.key)

HGEGTFTSDLAKOLEEEAVRLFIEFLKN

from: 1 to: 28 . match found in sequence:
abb64228; Exendin agonist, SEQ ID NO:48.
(from "seq4ags.pep")
TOIG of: aab64228 check: 141 from: 1 1 match

27-MAR-2001 (first entry) AAB64228;

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AAB64228 standard; peptide; 28

Exendin agonist, SEQ ID NO:48.

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231. 07-DEC-2000.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 41; Page 50; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cassarian delivery, hypertensive

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results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional contains and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
disorders such as pre-eclampsia, and urinary tract infections. GDM
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Sequence 28 AA;

AAB64228 Length: 28 February 4, 2005 13:19 Type: P Check: 141 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSAQLEEEAVRLFIEFLKN
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to: 28 1 match found in sequence: aab64229 ; Exendin agonist, SEQ ID NO:49. from: 1 check: 53 (from "seq4ags.pep") TOIG of: aab64229

AAB64229 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:49. (first entry) 27-MAR-2001 AAB64229;

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

exendins or exendin agonists for lowering or reducing blood e levels and treating gestational diabetes mellitus in a subject, Example 42; Page 51; 133pp; English. glucose levels and tre especially in a human. Use of

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are

associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocalcaemia, hypomagnesaemia, polycythaemia, chyperblirubinaemia, and subsequent childhood and adolescent obseity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional computing and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 \$

Sequence 28 AA;

AAB64229 Length: 28 February 4, 2005 13:19 Type: P Check: 53 Found using 'seq4' (mohamed337.key)

HGEGTFISDLSKALEEEAVRLFIEFLKN

from: 1 to: . match found in sequence: aab64230; Exendin agonist, SEQ ID NO:50. (from "seq4ags.pep") TOIG of: aab64230 check: 107 from: 1 1 match

28

AAB64230 standard; peptide; 28 AA AAB64230;

Exendin agonist, SEQ ID NO:50.

27-MAR-2001 (first entry)

Exendin, agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 43; Page 51; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64188-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insuln resistance and a diminished ability to

increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tubes defects, and is associated with an increased risk of neonatal morbidites uch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycytheemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendin and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 \$

Sequence 28 AA;

AAB64230 Length: 28 February 4, 2005 13:19 Type: P Check: 107 Found using 'seq4' (mohamed337.key)

|------| HGEGTFTSDLSKQAEBEAVRLFIEFLKN 1

1 match found in sequence: aab64231 ; Exendin agonist, SEQ ID NO:51. (from "seq4ags.pep") TOIG of: aab64231 c

check: 201 from: 1 AAB64231 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:51. 27-MAR-2001 (first entry) AAB64231;

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000.

99US-00323867. 01-JUN-1999;

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC. .

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 44; Page 52; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy both cinsulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive classociated with an increased rate in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperblitubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compunds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for contraindicated for contraindicated for contraindicated for contraindicated for contraindicated for section and prolonged effect on blood glucose, and, unlike conventional contrain the heavence represents a exendin emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, AAB64231 Length: 28 February 4, 2005 13:19 Type: P Check: 201 Found using 'seq4' (mohamed337.key) to: 28 aab64232 ; Exendin agonist, SEQ ID NO:52. (from "seq4ags.pep") TOIG of: aab64232 check: 197 from: 1 Example 45; Page 52; 133pp; English AAB64232 standard; peptide; 28 AA. |-----| HGEGTFTSDLSKQLAEEAVRLFIEFLKN 1 Exendin agonist, SEQ ID NO:52. 99US-00323867. 23-MAY-2000; 2000WO-US014231. 27-MAR-2001 (first entry) (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; especially in a human. WPI; 2001-137634/14. 1 match found in sequence: Heloderma suspectum. Sequence 28 AA; WO200073331-A2. 01-JUN-1999; 07-DEC-2000. Synthetic. AAB64232; XSXTTTTXSXTXTXTXTXSXXXXXXXXXTXTTTXXXX

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hyporaplirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for off, eause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional computing and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4 Sequence 28 AA;

AAB64232 Length: 28 February 4, 2005 13:19 Type: P Check: 197 Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSDLSKQLEAEAVRLFIEFLKN 28

aab64233; Exendin agonist, SEQ ID NO:53. (from "seq4ags.pep")
TOIG of: aab64233 check: 193 from: 1 1 match found in sequence:

to: 28

AAB64233;

AAB64233 standard; peptide; 28 AA.

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:53.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic

WO200073331-A2.

07-DEC-2000.

99US-00323867. 01-JUN-1999;

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes combination of increase insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. Only pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive cassociated with an increase of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites calculas in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the gila monster (exendin-4) and the Maxican beaded lizard (exendin-4) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus a contraindicated for potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cross the placenta and exendin cemptying and reduce appetite. The present sequence of exendin-9 cemptying and reduce appetite. The passed upon the sequence of exendin-9 cemptying and reduce appetite. The passed upon the sequence of exendin-9. Example 46; Page 53; 133pp; English. Sequence 28 AA;

AAB64233 Length: 28 February 4, 2005 13:19 Type: P Check: 193 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEAAVRLFIEFLKN

```
to: 28
. match found in sequence:
aab64234 ; Exendin agonist, SEQ ID NO:54.
                                                                check: 9862 from: 1
                                                                                                     AAB64234 standard; peptide; 28 AA
                                            (from "seq4ags.pep")
TOIG of: aab64234 c
                                                                                                                                                 AAB64234;
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Exendin agonist, gestational diabetes mellitus; GDM; insulin resistanc pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:54.

27-MAR-2001 (first entry)

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. (AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

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The inversion Features to the use of an exendin (Arabstals-Feature) candination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion. SDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, caendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for CMPW, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged Appoglycaemia in the newborn. They have a concention therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The pascent sequence represents a exendin causeit of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                     an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB64234 Length: 28 February 4, 2005 13:19 Type: P Check: 9862 Found using '8eq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           to: 28
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                                                                                                                                                                                                                          Example 47; Page 53; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention relates to the use of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB64235 standard; peptide;
especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB64235;
\mathbb{Z} \times \mathbb{Z} \times
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. match found in sequence:
aab64235; Exendin agonist, SEQ ID NO:55.
(from "seq4ags.pep")
(TOIG of: aab64235 check: 9921 from: 1
  1 match
```

Exendin agonist, SEQ ID NO:55. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2 07-DEC-2000. 23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Prickett KS; Hiles R,

WPI; 2001-137634/14.

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive associated with complications in both the mother and the foetus. Women with GDM have increased rates of foetal abnormalities such as neural tube castociates and is associated with an increased risk of neonatal morbidites results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites contrains are peptides from the salivary secretions of the Gila monster case peptides from the salivary secretions of the Gila monster case peptides from the salivary secretions of the Gila monster case peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4
Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                     Example 48; Page 54; 133pp; English
                                  glucose levels and tre
especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
```

AAB64235 Length: 28 February 4, 2005 13:19 Type: P Check: 9921 Found using 'seq4' (mohamed337.key)

. match found in sequence: aab64236 ; Exendin agonist, SEQ ID NO:56. HGEGTFTSDLSKQLEBEAVALFIEFLKN

to: 28 check: 30 from: 1 AAB64236 standard; peptide; 28 AA 27-MAR-2001 (first entry) (from "seq4ags.pep" TOIG of: aab64236 AAB64236;

Exendin agonist, SEQ ID NO:56.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the cila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agonists of the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional finally the present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                    exendins or exendin agonists for lowering or reducing blood levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                            Example 49; Page 54; 133pp; English
                                                                                                        especially in a human.
WPI; 2001-137634/14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                      Use of
```

AAB64236 Length: 28 February 4, 2005 13:19 Type: P Check: 30 Found using 'seq4' (mohamed337.key)

1 match found in sequence:
aab64237; Exendin agonist, SEQ ID NO:57.
[from "seq4ags.pep"]
TOIG OF: aab64237 check: 165 from: 1 HGEGTFTSDLSKOLEEEAVRAFIEFLKN

check: 165 from: 1 to: 28 AAB64237 standard, peptide; 28 AA AAB64237;

Exendin agonist; gestational diabetes mellitus; GDW; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:57. 27-MAR-2001 (first entry)

Heloderma suspectum Synthetic.

07-DEC-2000.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 50; Page 55; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uxinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-2) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin some consets the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64237 Length: 28 February 4, 2005 13:19 Type: P Check: 165 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIAFLKN 28

(from "seg4ags.pep") TOIG of: aab64238 check: 136 from: 1 to: 28 aab64238 ; Exendin agonist, SEQ ID NO:58. AAB64238 standard; peptide; 28 AA 27-MAR-2001 (first entry) 1 match found in sequence: AAB64238;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:58. Heloderma suspectum Synthetic.

WO200073331-A2. 07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

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The invention relates to the use of an exentin (AAMSA181-Lobels) or an exendin agonist (AABSA185-B64368) for treating gestational diabetes candination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gilm monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contrainding and exendin agonists do not cross the placent and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional content the relative perference of exendin-4, and used reduce appetite. The present sequence of exendin-4, and used in a sequence of exendin-4, and exendin-4, an
                                                                                                                                                                                                         Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                            invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                            Example 51; Page 55; 133pp; English
(AMYL-) AMYLIN PHARM INC.
                                                                   Prickett KS;
                                                                                                                                                                                                                                                                            especially in a human.
                                                                                                                                      WPI; 2001-137634/14.
                                                                   Hiles R,
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AAB64238 Length: 28 February 4, Found using 'seq4' (mohamed337.key) Sequence 28 AA;

HGEGTFTSDLSKQLEEERAVRLFIEALKN 1

. match found in sequence: abb6439; Exendin agonist, SEQ ID NO:59. (from "seq489.ppp") TOIG of: aab64239 check: 9975 from: 1

AAB64239 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:59. 27-MAR-2001 (first entry) AAB64239;

to: 28

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

07-DEC-2000.

WO200073331-A2

23-MAY-2000; 2000WO-US014231.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. AAB64239 Length: 28 February 4, 2005 13:19 Type: P Check: 9975 Found using 'seq4' (mohamed337.key) aab64240 ; Exendin agonist, SEQ ID NO:60. (from "seq4ags.pep") TOIG of: aab64240 check: 9991 from: 1 AAB64240 standard; peptide; 28 AA HGEGTFTSDLSKOLEEEAVRLFIEFAKN Exendin agonist, SEQ ID NO:60. 27-MAR-2001 (first entry) 1 match found in sequence: Heloderma suspectum. Sequence 28 AA; WO200073331-A2. 07-DEC-2000. Synthetic AAB64240; Hiles R, Use of %XCCCCCCCCCCCCCCCCCX&X4444X8XX February 4, 2005 13:19 Type: P Check: 136 to: 28

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes medilitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increase insulin reseistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive compounds as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tubes caecuts in an elevated rate of foetal abnormalities such as neural tubes caecuts, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocmagnessaemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which serving the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                    exendins or exendin agonists for lowering or reducing blood levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 52; Page 56; 133pp; English.
99US-00323867.
                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      especially in a human.
                                                                                                                                                                                                                  Prickett KS;
                                                                                                                                                                                                                                                                                                                              WPI; 2001-137634/14.
     01-JUN-1999;
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99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC Hiles R, Prickett KS; WPI; 2001-137634/14.

23-MAY-2000; 2000WO-US014231.

07-DEC-2000.

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compounds used the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (CDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM regults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbllitubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the allivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit the particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contrained and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                       exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                  Example 53; Page 56; 133pp; English.
23-MAY-2000; 2000WO-US014231
                                        01-JUN-1999; 99US-00323867
                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                   Prickett KS;
                                                                                                                                                                                                                                                                       especially in a human.
                                                                                                                                                                              WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                                                                                                 Hiles R,
                                                                                                                                                                                                                              Use of
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AAB64240 Length: 28 February 4, 2005 13:19 Type: P Check: 9991 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLAN

check: 9897 from: 1 1 match found in sequence:
aab64241; Exendin agonist, SEQ ID NO:61.
(from "seq4ags.pp")
TOIG OF: aab64241 check: 9897 from: 1

to: 28

AAB64241 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:61. 27-MAR-2001 (first entry) AAB64241;

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

deloderma suspectum Synthetic.

40200073331-A2.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB6418-B64368) for treating gestational diabetes candin agonist (AAB6418-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and adiminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Casarian delivery, hypertensive with GDM have increased rate of foetal abnormalities such as neural tube cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Compounds are peptides from the salivary secretions of the Gila monster (exendin at and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for Compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for Compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for Compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which and which gastric emprying and reduce ap Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. Example 54; Page 57; 133pp; English. Sequence 28 AA;

AAB64241 Length: 28 February 4, 2005 13:19 Type: P Check: 9897 Found using 'seq4' (mohamed337.key) **HGEGTFTSDLSKQLEEEAVRLFIEFLKA**

to: 38 1 match found in sequence: aab64242; Exendin agonist, SEQ ID NO:62. from: 1 AAB64242 standard; peptide; 38 AA check: 6333 27-MAR-2001 (first entry) (from "seq4ags.pep") TOIG of: aab64242 AAB64242;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:62.

Heloderma suspectum. Synthetic.

99US-00323867.

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23-MAY-2000; 2000WO-US014231.
                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                            Hiles R, Prickett KS;
                                                                                                                                                                                                                             WPI; 2001-137634/14.
                                WO200073331-A2
                                                                                                                               01-JUN-1999;
                                                                07-DEC-2000.
 Synthetic.
 combination (Abb64185-Border deep of an execution (Abb64182) of an execution agonist (Abb64185-Border deep of an execution gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Cesearian delivery, hypertensive casociated with an increased risk of neonatal morbidites such as associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, candina several peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The passed upon the sequence of exendin-4
                                                                                                                                                                                                                            Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                            The invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB64242 Length: 38 February 4, 2005 13:19 Type: P Check: 6333 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                            Example 55; Page 57; 133pp; English.
                                                            23-MAY-2000; 2000WO-US014231
                                                                                              99US-00323867
                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                               Prickett KS;
                                                                                                                                                                                                                                                              especially in a human.
                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 38 AA;
WO200073331-A2
                                                                                              01-JUN-1999;
                              07-DEC-2000
                                                                                                                                                             Hiles R,
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HGEGTFISDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP

to: 38 from: 1 match found in sequence:
aab64243; Exendin agonist, SEQ ID NO:63.
(from "seq4ags.pep")
TOIG of: aab64243 check: 5894 from: 1

AAB64243 standard; peptide; 38 AA.

27-MAR-2001 (first entry)

AAB64243;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:63.

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic, anorectic, exendin-4.

Exendin agonist, SEQ ID NO:64.

27-MAR-2001 (first entry)

Heloderma suspectum SXXXXXXXXXXXXX

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes malitius (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive caisorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal annormalities such as neural tuesuch as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbillirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which service and the Mexican beaded lizard (exendin-3) which schibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinocropic effects. Unlike the COMPW, exendins and exendin agonists do not cross the placenta and thus do not cross the placent and eventy and the wealth appealing the newborn. They have a potent and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 emptying and reduce appetite. The present sequence of exendin-4
Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB64243 Length: 38 February 4, 2005 13:19 Type: P Check: 5894 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ambfa4244; Exendin agonist, SEQ ID NO:64. (From "seq4ags.pep")
TOIG of: amb64244 check: 3293 from: 1
                                                                                                                                                                                    Example 56; Page 58; 133pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB64244 standard; peptide; 37 AA
                                                                                                 especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB64244;
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tubes defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocralesed risk of neonatal morbidites such as hypoglycaemia, polycythaemia, hyporagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindatated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged bypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                             exendins or exendin agonists for lowering or reducing blood e levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB64244 Length: 37 February 4, 2005 13:19 Type: P Check: 3293 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 57; Page 58; 133pp; English.
                                                                                                                                                                                23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                 99US-00323867.
                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             especially in a human.
                                                                                                                                                                                                                                                                                                                           Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-137634/14.
                        Heloderma suspectum.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 37 AA;
                                                                                         WO200073331-A2.
                                                                                                                                                                                                                                 01-JUN-1999;
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                                                                                                                                                                                                                                                                                                                             Hiles R,
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP

to: 37 check: 2854 from: 1 match found in sequence: aab64245 ; Exendin agonist, SEQ ID NO:65. AAB64245 standard; peptide; 37 AA. (from "seq4ags.pep") TOIG of: aab64245

27-MAR-2001 (first entry) AAB64245;

5X5X5X5X5X

Exendin agonist, SEQ ID NO:65.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance;

pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 58; Page 59; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancts are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tuber results in an elevated rate of foetal abnormalities such as neural tuber as hypoglycaenia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporallitubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the common avancine and eventine and eventin GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-

Sequence 37 AA;

AAB64245 Length: 37 February 4, 2005 13:19 Type: P Check: 2854 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP

to: 36 aab64246; Exendin agonist, SEQ ID NO:66. (from "seq4ags.pep")
TOIG of: aab64246 check: 333 from: 1 AAB64246 standard; peptide; 36 AA. 1 match found in sequence:

27-MAR-2001 (first entry) AAB64246;

Exendin agonist, SEQ ID NO:66.

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cendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDW) in a patient GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the sallivary secretions of the cila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinctropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin supposed by polycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional membrane, severe prolonged by present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4.
                  Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 59; Page 59; 133pp; English
                                                                                                                                                                                                                                                                                                                   99US-00323867.
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                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                           Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-137634/14.
                                                                                                            Heloderma suspectum
Synthetic.
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                                                                                                                                                                                                                            07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                           Hiles R,
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Check: 333 2005 13:19 Type: P AAB64246 Length: 36 February 4, Found using 'seq4' (mohamed337.key

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP

t0: aab64247; Exendin agonist, SEQ ID NO:67. (from "seq4ags.pep") (Thou of: aab64247 check: 9894 from: 1

AAB64247 standard; peptide; 36 AA.

36

27-MAR-2001 (first entry) 8 X X X B

Exendin agonist, SEQ ID NO:67.

GDM, insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; gestational diabetes mellitus; insulinotropic, anorectic, exendin-4. Exendin agonist;

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 60; Page 60; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes caredin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to combination of increased insulin secretion increase. By pregnancy, both insulin resistance and a normal pregnancy, both cassociated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypocalcaemia, hypocalcaemia, hypocalcaemia, polycaelcaemia, hypocalcaemia, polycaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compony with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for CMP, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypodylycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 36 AA;

AAB64247 Length: 36 February 4, 2005 13:19 Type: P Check: 9894 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAP

to: 35 ambédide d'end in sequence:
ambédide ; Exendin agonist, SEQ ID NO:68.
(from "seq4ags.pep")
TOIG of: amb64248 check: 7453 from: 1

AAB64248 standard; peptide; 35 AA

AAB64248; RX H

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such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, byperbilirubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                         Exendin agonist; gestational diabetes mellitus, GDM, insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 61; Page 60; 133pp; English
                                                              Exendin agonist, SEQ ID NO:68.
                                                                                                                                                                                                                                                                                                                                                                    23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                                                  99US-00323867
                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-137634/14.
                                                                                                                                                                                                       Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 35 AA;
                                                                                                                                                                                                                                                                           WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                    01-JUN-1999;
                     27-MAR-2001
                                                                                                                                                                                                                                                                                                                         07-DEC-2000.
                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hiles R,
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AAB64248 Length: 35 February 4, 2005 13:19 Type: P Check: 7453 ound using 'seq4' (mohamed337.key) Found using 'seq4'

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA

to: 35 check: 7014 from: 1 aab64249 ; Exendin agonist, SEQ ID NO:69 1 match found in sequence: (from "seq4ags.pep" TOIG of: aab64249

AAB64249 standard; peptide; 35 AA. U,

Exendin agonist, SEQ ID NO:69. 27-MAR-2001 (first entry) AAB64249;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; WPI; 2001-137634/14. Hiles R,

of exendins or exendin agonists for lowering or reducing blood cose levels and treating gestational diabetes mellitus in a subject, especially in a human. Use

Example 62; Page 61; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homelogy with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-

Sequence 35 AA;

2005 j3:19 Type: P Check: 7014 AAB64249 Length: 35 February 4, Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA

to: 34 . match found in sequence:
aab64250; Exendin agonist, SEQ ID NO:70.
(from "seq4ags.pep")
(TOG of: aab64250 check: 5178 from: 1

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM suring pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the focus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycychaemia, hypothilirubinaemia, and subsequent childhood and adolescent obesity. Benedins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                       Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                  insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 63; Page 61; 133pp; English
AAB64250 standard; peptide; 34 AA.
                                                                                                                              Exendin agonist, SEQ ID NO:70.
                                                                                                                                                                                                                                                                                                                                                                                                                23-MAY-2000; 2000WO-US014231
                                                                                 27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-137634/14.
                                                                                                                                                                                                                                                             Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                             WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                     07-DEC-2000
                                                                                                                                                                                                                                                                                      Synthetic.
                                        AAB64250;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hiles R,
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AAB64250 Length: 34 February 4, 2005 13:19 Type: P Check: 5178 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSG

1 match found in sequence: aab64251 ; Exendin agonist, SEQ ID NO:71.

34 ; ; check: 4739 (from "seq4ags.pep") TOIG of: aab64251 c

AAB64251 standard; peptide; 34 AA.

AAB64251;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:71.

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic, anorectic, exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; '2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 64; Page 62; 133pp; English

Sequence 34 AA;

AAB64251 Length: 34 February 4, 2005 13:19 Type: P Check: 4739 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin.agoniat (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cefects, and is associated with an increased risk of neonatal tube cresults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, polycamia, polycaemia, nad subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a copenit and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric agonist of the invention which is based upon the sequence of exendin-4).
                                                                                                                                                                                                                                              Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                        to: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 65; Page 62; 133pp; English.
            aab64252; Exendin agonist, SEQ ID NO:72.
(from "seq4ags.pep")
TOIG of: aab64252 check: 2764 from: 1
                                                                                               AAB64252 standard; peptide; 33 AA.
                                                                                                                                                                                                               Exendin agonist, SEQ ID NO:72.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                          27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-137634/14.
match found in sequence:
                                                                                                                                                                                                                                                                                                                                        Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                              WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                     07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                       AAB64252;
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Example 66; Page 63; 133pp; English.

AAB64252 Length: 33 February 4, 2005 13:19 Type: P Check: 2764 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEBAVRLFIEWLKNGGPSS

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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                         to: 33
                         check: 2325 from: 1
1 match found in sequence:
abb64253 ; Exendin agonist, SEQ ID NO:73..
(from "seq4ags.pep")
TOIG Of: aab64253 check: 2325 from: 1
                                         AAB64253 standard; peptide; 33 AA
                                                                                              Exendin agonist, SEQ ID NO:73.
                                                                                                                                                                                                              23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                               99US-00323867.
                                                                              27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                    especially in a human.
                                                                                                                                                                                                                                                                  Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                   WPI; 2001-137634/14.
                                                                                                                                                   Heloderma suspectum.
                                                                                                                                                                             WO200073331-A2.
                                                                                                                                                                                                                                01-JUN-1999;
                                                                                                                                                                                              07-DEC-2000.
                                                                                                                                                            Synthetic.
                                                             AAB64253;
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ceendin agonist (AAB64185-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating gestational diabetes
ceendin agonist (AAB64185-B64368) for treating gestational diabetes
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GMD pregnancies are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
constitutes and an elevated rate of foetal abnormalities such as neural tube
cc disorders such as pre-eclampsia, and uninary tract infections. GDM
cresults in an elevated rate of foetal abnormalities such as neural tube
cc defects, and is associated with an increased risk of neonatal morbidites
cc such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia,
cc secndin are peptides from the salivary secretions of the G11a monster
cc exendin.4) and the Mexican beaded lizard (exendin.4) and the Wexican beaded lizard (exendin.4) and the Wexican beaded lizard (exendin.4) and the Mexican beaded lizard (exendin.4) and the Wexican beaded lizard (exendin.4) and the Wexican beaded lizard (exendin.2) which early thus do
cc compounds used to treat type 2 diabetes, which are contrained and thus do
cc compounds used to treat type 2 diabetes, which are contrained for
cc compounds used to treat type 2 diabetes, which are contrained or contrained or course severe prolonged effect on blood glucose, and, unlike dearent and prolonged effect on blood glucose, and, unlike gent en contrained enter of exendin emplaying and reduce appetite. The present seq Sequence 33 AA;

AAB64253 Length: 33 February 4, 2005 13:19 Type: P Check: 2325 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
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to: 32 match found in sequence:
aab64254; Exendin agonist, SEQ ID NO:74.
[from "seq4ags.pep"]
TOIG of: aab64254 check: 25 from: 1 t

AAB64254 standard; peptide; 32 AA

AAB64254;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:74.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 67; Page 63; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin rescretion. In contrast, in a normal pregnancy, both a subcider such as careful and increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uxinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesemia, polycythaemia, hyporalicalian, hypomagnesemia, polycythaemia, hyperbilitubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the cila monster (exendin-3) which and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 32 AA;

AAB64254 iength: 32 February 4, 2005 13:19 Type: P Check: 25 Found using 'seq4' (mohamed337.key)

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|-----|
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPS
```

to: 32 aab64255; Exendin agonist, SEQ ID NO:75. (from "seq4ags.pep") TOIG of: aab64255 check: 9586 from: 1 1 match found in sequence

AAB64255 standard; peptide, 32 AA.

AAB64255;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:75.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 68; Page 64; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-1864368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocaphaena, polychaenia, hypocaphaena, polychaenia, hypocaphist pre-eclampsia, plant with good and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit chomology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes which are contraindicated for the diabetes and contraindicated for the diabetes and the diabetes of the diabetes. GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 32 AA;

AAB64255 Length: 32 February 4, 2005 13:19 Type: P Check: 9586 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEBEAVRLFIBFLKNGGPS 1

from: 1 1 match found in sequence:
ab54256; Exendin agonist, SEQ ID NO:76.
[from "seq4ags.pep"]
TOIG Of: aab54256 check: 7369 from: 1

to: 31

AAB64256 standard; peptide; 31 AA 27-MAR-2001 (first entry) AAB64256;

Exendin agonist, SEQ ID NO:76.

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 69; Page 64; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDW) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, polycocalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polycythaemia, caecultus and the several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulincropic effects, unlike to compounds used to treat type 2 diabetes, which are contraindicated for compounds used effect on blood glucose, and, unlike conventional polycemia and reduce appetite. The present sequence represents a exendin esquence appetite. The present sequence of exendin-4 sequence.

AAB64256 Length: 31 February 4, 2005 13:19 Type: P Check: 7369 Found using 'seq4' (mohamed337.key) Sequence 31 AA;

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP

to: 31 match found in sequence:
aab64257; Exendin agonist, SEQ ID NO:77.
(from seq44649.ppep")
TOIG of: aab64257 check: 6930 from: 1

AAB64257 standard; peptide; 31 AA

AAB64257;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:77.

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231. 07-DEC-2000.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 70; Page 64; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDW) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both cincreased intervents in both the mother and the feetus. Women with GDM have increased rates of Casarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, can be upperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for cont cause severe prolonged effect on blood glucose, and, unlike conventional content and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin

SXS

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancy, both a usociated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendin are peptides from the sallvary secretions of the Gla monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. agonist of the invention which is based upon the sequence of exendin-4 AAB64257 Length: 31 February 4, 2005 13:19 Type: P Check: 6930 Found using 'seq4' (mohamed337.key) to: 30 from: 1 1 match found in sequence: aab64258 ; Exendin agonist, SEQ ID NO:78. Example 71; Page 65; 133pp; English. AAB64258 standard; peptide; 30 AA. HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP Exendin agonist, SEQ ID NO:78. 99US-00323867. 23-MAY-2000; 2000WO-US014231. (from "seq4ags.pep") TOIG of: aab64258 check: 4450 (first entry) (AMYL-) AMYLIN PHARM INC. Prickett KS; WPI; 2001-137634/14. Heloderma suspectum Sequence 31 AA; WO200073331-A2. 01-JUN-1999; 27-MAR-2001 07-DEC-2000 Synthetic. Hiles R,

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gessarian delivery, hypertensive associated with complications and urinary tract infections. GDM results in an elevated with an increased risk of neonatal morbidites cepuls in an elevated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, cefects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, cefects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, cefects, and subsequent childhood and adolescent obseity.

Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                        AAB64258 Length: 30 February 4, 2005 13:19 Type: P Check: 4450 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                     to: 29
                                                                                                                                                                                                                                                                                                                                                                                                   check: 2759 from: 1
                                                                                                                                                                                                                                                                                                                                                       aab64259 ; Exendin agonist, SEQ ID NO:79.
(from "seq4ags.pep")
TOIG of: aab64259 check: 2759 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 72; Page 65; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64259 standard; peptide; 29 AA
                                                                                                                                                                                                                                       HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist, SEQ ID NO:79.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-MAY-2000; 2000WO-US014231.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma suspectum.
                                                                                                 Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64259;
       SSSSS
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not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 88888888

Sequence 29 AA;

AAB64259 Length: 29 February 4, 2005 13:19 Type: P Check: 2759 ound using 'seq4' (mohamed337.key) Found using 'seq4'

1 match found in sequence:
aab64260 ; Exendin agonist, SEQ ID NO:80.
(from "seq4ags.pep") HGEGTFTSDLSKQMEEEAVRLFIEWLKNG

AAB64260 standard; peptide; 29 AA

to: 29

check: 2320 from: 1

TOIG of: aab64260

AAB64260;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:80.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 73; Page 66; 133pp; English.

exendin agonist (AAB64185-B64368) for treating gestational diabetes menlitus (5DM) in a patient. GDM arises during pregnancy, and iss due to ancombination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive alsorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the invention relates to the use of an exendin (AAB64181-B64182) or an

compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-88888888

Sequence 29 AA;

AAB64260 Length: 29 February 4, 2005 13:19 Type: P Check: 2320 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEBAVRLFIEFLKNG

(from "seq4ags.pep")
TOIG of: aab64261 check: 7221 from: 1 . match found in sequence: aab64261 ; Exendin agonist, SEQ ID NO:81. 1 match

to: 38

AAB64261 standard; peptide; 38 AA

AAB64261;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:81.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 74; Page 66; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an

homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 88888888888888

Sequence 38 AA;

AAB64261 Length: 38 February 4, 2005 13:19 Type: P Check: 7221 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAXXX

to: 38 l match found in sequence:
 aab64262; Exendin agonist, SEQ ID NO:82.
(from "seq4ags.pep")
 TOIG of: aab64262 check: 7221 from: 1

AAB64262 standard; peptide; 38 AA. (first entry) 27-MAR-2001 AAB64262;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:82.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human

Example 75; Page 67; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes meallitus (GDM) in a parlient. GDM arises during pregnancy, and iss due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both susinin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia,

Exending are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional limsulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 38 AA; 888888888888888

AAB64262 Length: 38 February 4, 2005 13:19 Type: P Check: 7221 Found using 'seq4' (mohamed337.key)

|------HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX

to: 37 match found in sequence:
4 Exendin agonist, SEQ ID NO:83.
4 (from "seq4dags.pep")
TOIG of: aab64263 check: 2828 from: 1

AAB64263;

AAB64263 standard; peptide; 37 AA

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:83

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231.

07-DEC-2000.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 76; Page 67; 133pp; English.

exendin agonist (AAB64185-B64186) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with CDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites The invention relates to the use of an exendin (AAB64181-B64182) or an

seq4 ags.res

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such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporbilirubinaemia, and subsequent childhood and adolescent obesity. Becardins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
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Sequence 37 AA;

AAB64263 Length: 37 February 4, 2005 13:19 Type: F Check: 2828 Found using 'seq4' (mohamed337.key)

to: 37 (from "seq4ags.pep")
TOIG of: aab64264 check: 1733 from: 1 match found in sequence: aab64264 ; Exendin agonist, SEQ ID NO:84.

AAB64264 standard; peptide; 37 AA AAB64264;

Exendin agonist, SEQ ID NO:84. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, glucose levels and tre-especially in a human.

Example 77; Page 68; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a parlent. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM

cefects, and is associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as hypogalycaemia, hypomagnesemia, polycytheamia, polycytheamia, polycytheamia, polycytheamia, polycytheamia, polycytheamia, polycytheamia, polycytheamia, polycytheamin, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional polycything and reduce appetite. The present sequence represents a exendin agoniet of the invention which is based upon the sequence of exendin-4

Sequence 37 AA; 8888888888888888888888888888888888888

AAB64264 Length: 37 February 4, 2005 13:19 Type: P Check: 1733 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGASSGAAA

to: 37 aab64265; Exendin agonist, SEQ ID NO:85. (from "seq4ags.pep") TOIG of: aab64265 check: 4125 from: 1 1 match found in sequence:

AAB64265 standard; peptide; 37 AA. 27-MAR-2001 (first entry) AAB64265;

Exendin agonist, SEQ ID NO:85.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 78; Page 68; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women

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with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional prolonged effect on blood glucose, and, unlike conventional menting and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
```

Sequence 37 AA;

AAB64265 Length: 37 February 4, 2005 13:19 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXX

;; aab64266 ; Exendin agonist, SEQ ID NO:86. from: 1 check: 869 match found in sequence: (from "seq4ags.pep") TOIG of: aab64266

36

AAB64266 standard; peptide; 36 AA AAB64266;

Exendin agonist, SEQ ID NO:86. (first entry) 27-MAR-2001

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

exendins or exendin agonists for lowering or reducing blood e_levels and treating gestational diabetes mellitus in a subject, Example 79; Page 69; 133pp; English. glucose levels and tre especially in a human. Use of

ಹ The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both

insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hyperensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hyporalitubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for off, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 888888888888888888888888888888888888

Sequence 36 AA;

AAB64266 Length: 36 February 4, 2005 13:19 Type: P Check: 869 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAX

to: 35 (from "seq4ags.pep") TOIG of: aab64267 check: 7463 from: 1 found in sequence: 57 ; Exendin agonist, SEQ ID NO:87. aab64267 match

AAB64267 standard; peptide; 35 AA AAB64267;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:87.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; pregnancy complication; neonatal abno: insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 80; Page 69; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to

combination or increased insulin resistance and a dimilished ability to insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the allivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects, Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendin and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypolycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional function and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 combination of increased insulin resistance and a diminished ability to

Sequence 35 AA;

AAB64267 Length: 35 February 4, 2005 13:19 Type: P Check: 7463 Found using 'seq4' (mohamed337.key)

RGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA

to: 30 from: 1 match found in sequence: aab64268 ; Exendin agonist, SEQ ID NO:88. check: 4886 from "seq4ags.pep" OIG of: aab64268

AAB64268 standard; peptide; 30 AA Exendin agonist, SEQ ID NO:88. 27-MAR-2001 (first entry) AAB64268;

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

99US-00323867

01-JUN-1999;

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 81; Page 70; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an

mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion. In contrast, in a normal pregnancy, both cinsulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cassarian delivery, hypertensive disorders such as pre-eclampela, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube offects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinemia, and subsequent childhood and adolescent obesity.

Exending are peptides from the salivary secretions of the Gila monster (exending are peptides from the salivary secretions of the Gila monster (exending are peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placent and thus do not cross the glacent and thus a contraind and secretions of the members of the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for the contraind and exending agonists and management and thus a contraind and exending agonists and management a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 exendin agonist (AAB64185-B64368) for treating gestational diabetes

AAB64268 Length: 30 February 4, 2005 13:19 Type: P Check: 4886 Found using 'seq4' (mohamed337.key)

Sequence 30 AA;

HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG

match found in sequence:
ab64269; Exendin agonist, SEQ ID NO:89.
(from seq4dags.pep)
TOIG of: aab64269 check: 369 from: 1 AAB64269 standard; peptide; 28 AA AAB64269;

to: 28

Exendin agonist, SEQ ID NO:89. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

99US-00323867.

19661-NDD-10

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 82; Page 70; 133pp; English

Example 83; Page 71; 133pp; English.

increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foetus. Women with GDW have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites uch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homogy with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional cause exert prolonged effect on blood glucose, and, unlike conventional emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 The invention relates to the use of an exendin (AAB64101-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to Sequence 28 AA;

AAB64269 Length: 28 February 4, 2005 13:19 Type: P Check: 369 Found using 'seq4' (mohamed337.key)

HGEGTXTSDLSKQLEEEAVRLFIEFLKN

aab64270; Exendin agonist, SEQ ID NO:90. (from "seq4ags.pep")
TOIG of: aab64270 check: 693 from: 1 match found in sequence:

check: 693 from: 1 to: 28 AAB64270 standard; peptide; 28 AA.

Exendin agonist, SEQ ID NO:90. (first entry) 27-MAR-2001 AAB64270;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

combination of increased insulin resistance and a diminished ability to combination of increased insulin secretion increase. On pregnancy, both insulin resistance and insulin secretion increase. On pregnancy, both complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypomagnessemia, polycythaemia, compounds used to treat type 2 diabetes, which are contraindicated for Cmpw, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a coptent and prolonged hypoglycaemia in the newborn. They have a not not many, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-AAB64270 Length: 28 February 4, 2005 13:19 Type: P Check: 693 Found using 'seq4' (mohamed337.key) 58 ţ; aab64271 ; Exendin agonist, SEQ ID NO:91. (from "seq4ags.pep") TOIG of: aab64271 check: 701 from: 1 HGEGTFSSDLSKQMEEEAVRLFIEWLKN match found in sequence: Sequence 28 AA;

AAB64271;

AAB64271 standard; peptide; 28 AA.

27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:91. Heloderma suspectum

WO200073331-A2 07-DEC-2000. Synthetic.

23-MAY-2000; 2000WO-US014231.

99US-00323867 (AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcalcaemia, hypomagnessemia, polycythaemia, hyporalcalcaemia, hypomagnessemia, polycythaemia, hyporalcalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycocalcaemia, hypomagnessemia, polycythaemia, hypomagnesemia, polycythaemia, hypom glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. Example 84; Page 71; 133pp; English

Sequence 28 AA;

AAB64271 Length: 28 February 4, 2005 13:19 Type: P Check: 701 Found using '8eq4' (mohamed337.key)

HGEGTFSTDLSKQMEEEAVRLFIEWLKN 1

to: 28

AAB64272 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:92. 27-MAR-2001 (first entry) AAB64272;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 85; Page 72; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polycaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polycaemia, hypomagnesaemia, polychaemia, polycha

Sequence 28 AA;

AAB64272 Length: 28 February 4, 2005 13:19 Type: P Check: 649 Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSELSKQMAEEAVRLFIEWLKN

1 match found in sequence:

aab64273; Exendin agonist, SEQ ID NO:93. (from "seq4ags.pep") TOIG of: aab64273 check: 381 from: 1 to: 28 AAB64273 standard; peptide; 28 AA. 27-MAR-2001 (first entry) AAB64273;

Exendin agonist, SEQ ID NO:93

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Heloderma suspectum. WO200073331-A2. 07-DEC-2000. Synthetic.

23-MAY-2000; 2000WO-US014231. 99US-00323867 (AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Prickett KS; Hiles R,

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cxendin agonist (AAB64185-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating gestational diabetes
mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy both
chaulin resistance and insulin secretion increase. GDM pregnancies are
associated with complications in both the mother and the foctus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foctal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia,
hyperblirubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the Gila monster
(exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit
homology with several members of the glucagon-like peptide family,
particularly GLP-1, and have similar insulinctropic effects. Unlike the
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists of not cross the placent and prolonged effect on blood glucose, and, unlike conventional
content and prolonged effect on blood glucose, and, unlike conventional
insulin therapy, should not cause weight gain, as they inhibit gastric
emptying and reduce appetite. The present sequence represents a exendin
agonist of the invention which is based upon the sequence of exendin-4
agonist of the present sequence of exendin-4
                                                                                Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                   Example 86; Page 72; 133pp; English
                                                                                                                                           especially in a human.
                        WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
```

AAB64273 Length: 28 February 4, 2005 13:19 Type: P Check: 381 ound using 'seq4' (mohamed337.key) Found using 'seq4'

HGEGTFTSDXSKQLEEEAVRLFIEFLKN

check: 657 from: 1 to: 28 match found in sequence: aab64274 ; Exendin agonist, SEQ ID NO:94. "seq4ags.pep" TOIG of: aab64274 (from

AAB64274 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:94. 27-MAR-2001 (first entry) AAB64274;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 11-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human

Example 87; Page 73; 133pp; English

compinite force to the use of an executal (Arbaylor) of an executal of increased insulin resistance and insulin resistance and insulin secretion increase. GDW pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with compileations in both the mother and the foetus. Women with GDW have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW executs in an elevated rate of foetal abnormalities used as neural mubes of feets, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendina are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects, Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypodycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin engents of the invention which is based upon the sequence of exendin-4. The invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 28 AA;

AAB64274 Length: 28 February 4, 2005 13:19 Type: P Check: 657 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLXIEFLKN

to: 28 a match found in sequence: aab64275; Exendin agonist, SEQ ID NO:95. check: 1045 from: 1 (from "seq4ags.pep") TOIG of: aab64275

27-MAR-2001 (first entry) AAB64275;

AAB64275 standard; peptide; 28 AA

Exendin agonist, SEQ ID NO:95

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

07-DEC-2000.

WO200073331-A2

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes compliated (DDM arises during pregnancy, and is due to combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. Only pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites uch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, chypcrallirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Mexican beaded lizard (exendin-4) and the newborn. They have a compounds used to treat type 2 diabetes, which he newborn They have a potent and exclude appetite. The persent sequence represents a exendin e
                                                                                                                                                                                                                   exendins or exendin agonists for lowering or reducing blood e levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                    Example 88; Page 73; 133pp; English.
                             (AMYL-) AMYLIN PHARM INC
                                                                                            Prickett KS;
                                                                                                                                                                                                                                                                                     especially in a human.
                                                                                                                                                    WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
                                                                                            Hiles R,
                                                                                                                                                                                                                                                           glucose
                                                                                                                                                                                                                          Use of
```

AAB64275 Length: 28 February 4, 2005 13:19 Type: P Check: 1045 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFXEWLKN

1 match found in sequence: aab64276; Exendin agonist, SEQ ID NO:96. check: 237 (from "seq4ags.pep") TOIG of: aab64276 c

; ; from: 1

AAB64276 standard; peptide; 28 AA.

AAB64276;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:96.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

Example 89; Page 74; 133pp; English.

especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancis are associated with compilcations in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-1) which exhibit to particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cause severe prolonged effect on blood glucose, and, unlike conventional contrainding the present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64276 Length: 28 February 4, 2005 13:19 Type: P Check: 237 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIDFLKN

to: match found in sequence: aab64277 ; Exendin agonist, SEQ ID NO:97. check: 2215 from: 1 (from "seq4ags.pep") TOIG of: aab64277 o

33

AAB64277 standard; peptide; 33 AA. AAB64277;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:97.

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000

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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises duting pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a sesociated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract inffections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, byperbllirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the sallivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulincropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional influenting mathing astric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                               exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                 Example 90; Page 74; 133pp; English
                     23-MAY-2000; 2000WO-US014231
                                                                       99US-00323867
                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                            Prickett KS;
                                                                                                                                                                                                                                                                                                                            especially in a human.
                                                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 33 AA;
                                                                     01-JUN-1999;
                                                                                                                                                                            Hiles R,
                                                                                                                                                                                                                                                                                                    glucose
                                                                                                                                                                                                                                                                                 Use of
```

AAB64277 Length: 33 February 4, 2005 13:19 Type: P Check: 2215 Found using 'seg4' (mohamed337.key)

HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS

aab64278; Exendin agonist, SEQ ID NO:98 (from "seq4ags.pep")
TOIG of: aab64278 check: 2649 from: 1 1 match found in sequence:

29 ţo:

> AAB64278 standard; peptide; 29 AA. Exendin agonist, SEQ ID NO:98. 27-MAR-2001 (first entry) AAB64278:

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic

WO200073331-A2

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin restration. In contrast, in a normal pregnancy, both insulin restrations in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbities such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, byperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendine are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional infering and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                          Example 91; Page 75; 133pp; English
                                                            23-MAY-2000; 2000WO-US014231.
                                                                                                         99US-00323867
                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                    especially in a human.
                                                                                                                                                                                               Prickett KS;
                                                                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                         01-JUN-1999;
                                                                                                                                                                                               Hiles R,
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February 4, 2005 13:19 Type: P Check: 2649 AAB64278 Length: 29 February 4, Found using 'seq4' (mohamed337.key)

Sequence 29 AA;

|------HGEGTFTSDASKQMEEEAVRLFIEWLKNG

Exendín agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. AAB64279 standard; peptide; 37 AA Exendin agonist, SEQ ID NO:99. 27-MAR-2001 (first entry) AAB64279;

to: 37

aab64279; Exendin agonist, SEQ ID NO:99. (from "seq4ags.pep")
TOIG of: aab64279 check: 4015 from: 1

1 match found in sequence:

Heloderma suspectum Synthetic.

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The intention feature to the use of an exeminal (Anabetes) mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural nube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obseity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists on cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence of exendin-4 exendin-4 exendin-4 exendin-8 and exendin-8 and exendin-9 and reduce appetite. The present sequence of exendin-4 exendin-4 exendin-8 and exendin-8 and exendin-9 and
                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           February 4, 2005 13:19 Type: P Check: 4015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDASKOMEEBAVRLFIEWLKNGGXSSGAXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 92; Page 75; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB64279 Length: 37 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                           23-MAY-2000; 2000WO-US014231,
                                                                                                                                                                                                     99US-00323867
                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                especially in a human.
                                                                                                                                                                                                                                                                                                                     Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-137634/14.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         n "seq4ags.pep"
of: aab64281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 37 AA;
                           WO200073331-A2
                                                                                                                                                                                                     01-JUN-1999;
                                                                                  07-DEC-2000
                                                                                                                                                                                                                                                                                                                     Hiles R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

23-MAY-2000; 2000WO-US014231.

suspectum

Heloderma Synthetic WO200073331-A2

07-DEC-2000

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; Example 96; Page 78; 133pp; English.

especially in a human.

WPI; 2001-137634/14.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64868) for treating gestational diabetes entablities (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-clampsia, and urlnary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube a sociated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hypomagnessemia, chedila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for contraint such as everes prolonged hypoglycaemia in the newborn. They have a contraint and new home.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendiagonist of the invention which is based upon the sequence of exendin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB64281 Length: 28 February 4, 2005 13:19 Type: P Check: 249 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence: aab64285; Exendin agonist, SEQ ID NO:105.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (from "seq4ags.pep")
TOIG of: aab64285 check: 688 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB64285 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGAGTFTSDLSKQLEEEAVRLFIBFLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-MAR-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB64285;
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:101.

(first entry)

27-MAR-2001

AAB64281;

from: 1 to: 28

check: 249

AAB64281 standard; peptide; 28 AA.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are susciated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hyporablirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                    Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 100; Page 80; 133pp; English.
                                                                                                                                                                                                   23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                               99US-00323867
                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                         Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-137634/14.
                                          Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                                         WO200073331-A2
                                                                                                                                                                                                                                               01-JUN-1999;
                                                                                                                                                        07-DEC-2000.
                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                         Hiles R,
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Example 103; Page 81; 133pp; English.

AAB64285 Length: 28 February 4, 2005 13:19 Type: P Check: 688 Found using 'seq4' (mohamed337.key)

HGAGTFTSDLSKQMEEEAVRLFIEWLKŇ

. match found in sequence: aab64288 ; Exendin agonist, SEQ ID NO:108. (from "seq4ags.pep" TOIG of: aab64288

; ;

check: 590 from: 1

27-MAR-2001 (first entry)

AAB64288 standard; peptide; 28 AA

Exendin agonist, SEQ ID NO:108 *******

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, 99US-00323867. 23-MAY-2000; 2000WO-US014231. (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; especially in a human. WPI; 2001-137634/14. Heloderma suspectum. Synthetic. WO200073331-A2 01-JUN-1999; 07-DEC-2000.

combination features to the use of an exeminal winders of an exeminal diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion in contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypochagnesemia, hypomagnesemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Glla monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to tract type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4. invention relates to the use of an exendin (AAB64181-B64182) or an

AAB64288 Length: 28 February 4, 2005 13:19 Type: P Check: 590 Found using 'seq4' (mohamed337:key)

Sequence 28 AA;

1 match found in sequence: aab64348 ; Exendin agonist, SEQ ID NO:168. HGEGTFTSDASKOMEEEAVRLFIEWLKN

t0; from: 1 AAB64348 standard; peptide; 38 AA check: 5882 (from "seq4ags.pep") TOIG of: aab64348 AAB64348;

38

27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

01-JUN-1999;

Hiles R, Prickett KS; WPI; 2001-137634/14.

Exendin agonist, SEQ ID NO:173.

27-MAR-2001 (first entry)

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a increase insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural much chyperbilizubinaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporbilizubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence representin
                                     Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 163; Page 111; 133pp; English.
Exendin agonist, SEQ ID NO:168
                                                                                                                                                                                                                                                                                               23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                            99US-00323867
                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-137634/14.
                                                                                                                                    Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 38 AA;
                                                                                                                                                                                                      WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                            01-JUN-1999;
                                                                                                                                                                                                                                                   07-DEC-2000
                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion in contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

Example 168; Page 114; 133pp; English.

especially in a human.

homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

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AAB64353 Length: 35 February 4, 2005 13:19 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
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to
                                                                                                                                                                                                                                                                                       HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                                                                                                                        match found in sequence:
aab64357 ; Exendin agonist, SEQ ID NO:177.
                                                                                                                                                                                                                                                                                                                  (from "seq4ags.pep")
TOIG of: aab64357 check: 9574 from: 1
                                                                                                                                                                                                                                                                                                                                AAB64357 standard; peptide; 32 AA
                                                                                                                                                                                                                                                            Sequence 35 AA;
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AAB64348 Length: 38 February 4, 2005 13:19 Type: P Check: 5882 Found using 'seg4' (mohamed337.key)

HCAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP

to: 35

aab64353 ; Exendin agonist, SEQ ID NO:173.
(from "seq4ags.pep")
TOIG of: aab64353 check: 7002 from: 1

1 match found in sequence:

AAB64353 standard; peptide; 35 AA.

AAB64353;

SXXX

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin insulence and insulin secretion. In contrast, in a normal pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                  Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                       pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 172; Page 116; 133pp; English.
                                                                                        Exendin agonist, SEQ ID NO:177.
                                                                                                                                                                                                                                                                                                                                                                                     23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                                                                                                                                                                                                               99US-00323867
                                         27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-137634/14.
                                                                                                                                                                                                                           Heloderma suspectum.
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                                                                                                                                                                                                                                                                                            WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                        07-DEC-2000
                                                                                                                                                                                                                                                    Synthetic.
  AAB64357;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hiles R,
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AAB64357 Length: 32 February 4, 2005 13:19 Type: P Check: 9574 Found using 'seq4' (mohamed337.key) HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPS

1 match found in sequence: aab64361 ; Exendin agonist, SEQ ID NO:181.

38 (from "seq4ags.pep") TOIG of: aab64361 check: 7457 from: 1 to:

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. AAB64361 standard; peptide; 38 AA. Exendin agonist, SEQ ID NO:181. 99US-00323867. 23-MAY-2000; 2000WO-US014231 '(first entry) (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; 2001-137634/14. Heloderma suspectum WO200073331-A2. 01-JUN-1999; 27-MAR-2001 07-DEC-2000. Synthetic. AAB64361;

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes melitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal worbidites such as hypoglycaemia, hypocralcaemia, hypomagnesemia, polycythaemia, conventina, hypocralcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the cila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cause severe prolonged bypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional contraint reservable. They be present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 Example 176; Page 118; 133pp; English.

Type: P Check: 7457 AAB64361 Length: 38 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

Sequence 38 AA;

|-----| HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXX

1 match found in sequence: aab64365 ; Exendin agonist, SEQ ID NO:185. (from "seq4ags.pep")

to: 35 from: 1 check: 7441 TOIG of: aab64365

AAB64365 standard; peptide; 35 AA.

AAB64365;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:185.

pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject, especially in a human. glucose Use of

Example 180; Page 120; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cacearian delivery, hypergnancies are disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homelogy with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used exercine and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. The perpendict. potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 35 AA;

AAB64365 Length: 35 February 4, 2005 13:19 Type: P Check: 7441 ound using 'seq4' (mohamed337.key) Found using 'seq4'

|-----| HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA

1 match found in sequence:

to: 44 aab69951 ; des Ser39-exendin-4(1-39)-(Lys)6~NH2. check: 5008 (from "seq4ags.pep") TOIG of: aab69951 c

Ä

AAB69951 standard; peptide; 44

AAB69951;

(first entry) 02-MAY-2001 des Ser39-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anore antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393 THE STANDARD STANDARD

99US-0143591P. 99EP-00610043. 12-JUL-1999;

09-AUG-1999;

Neve S; Mikkelsen JD, Larsen BD,

(ZEAL-) ZEALAND PHARM AS

WPI; 2001-159381/16.

peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity and eating disorders. Novel evel

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino cisobutyric acid for Ala at position 8 and/or having a lipophilic cubstituent, and Z, a peptide sequence of 4-20 amino acid covalently conducto the variant Each amino acid in Z is selected from A, L, S, T, Y, M, D, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-cC (R1) (R2)-C(-0)- R1 and R2 are selected from H, Cl-6-alkyl, phenyl-methyl, where Cl-6-alkyl is optionally substituent selected from halogen, hydroxy, amino, cyano, nitro, substituents selected from Dhenyl and phenyl and phenyl and phenyl and phenyl and phenyl are optionally cyclopeary, and phenyl and phenyl and carboxy, or R1 and CC sulfono, and carboxy, amino, cyano, nitro, sulfono, and carboxy, amino, cyano, nitro, sulfono, and carboxy, or cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopearyl, or cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, or cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, or cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, or cyclopetyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, expected conjugate with the proviso that X is not exendin-3. The peptide conjugate suseful ring alexance insullar and cyclopetyl ring, disease states associated with elevated blood glucose levels cyclopetry and mines including adrenalin, glucose levels, insulin release, for lowering plasma lipid level, and for reducing cycloped in sullar planes for lowering plasma lipid level, and for reducing morthily and morthily and plane lipid level, and for reducing İnsulin release, for lowering plasma lipid level, a mortality and morbidity after myocardial infarction

Sequence 44 AA;

AAB69951 Length: 44 February 4, 2005 13:19 Type: P Check: 5008

Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPKKKKKK

. match found in sequence: aab69952 ; des Pro36-exendin-4(1-39)-(Lys)6-NH2. check: 5122 from: 1 (from "seq4ags.pep") TOIG of: aab69952 c

AAB69952 standard; peptide; 44 AA

AAB69952;

02-MAY-2001 (first entry)

des Pro36-exendin-4(1-39)-(Lys)6-NH2

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Larsen BD, Mikkelsen JD, Neve S;

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34-39 or a Lys at position
40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (756) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
constituent, and Z, a peptide sequence of 4-20 amino acide covalently
bound to the variant. Each amino acid in Z is selected from A, L, S, T,
Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NHC(R1) (R2)-C(=0)-. R1 and R2 are selected from H, Cl-6-alkyl, phenyl and
phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3
cubstituents selected from halogen, hydroxy, amino, cyano, nitro,
sulfono, and carboxy, and phenyl and phenylmethyl are optionally
cubstituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl,
cubstituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl,
cubstituted with 1-3 substituents selected from Acarbox, or R1 and
R2, together with the carbon atom to which they are bound, form a
cyclopentyl, cyclohexyl, or cyclohetyl ring, eg. 2,4-diaminobutanoic
acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide
cyclopentyl, cyclohexyl, or cyclohetyl ring, eg. 2,4-diaminobutanoic
acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal
cyclopentyl, cyclohexyl, or cyclohetyl ring, eg. 2,4-diaminobutanoic
acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal
cyclopentyl, cyclohexyl, or cyclohetyl reaching disorder
cyclopentyl, weating disorder;
cyclopentyl, eating disorder;
cyclohets, insulin resistance syndrome, obesity, eating disorder;
cyclohetes, insulin resistance syndrome, obesity, eating disorder;
cyclohetes, insulin resistance syndrome, obesity, eating disorders
cycloped sequence and gastric disease. It is useful for
treating disease states associated with eleavated blood glucose levels
clicited by hormones known to increase blood glucose levels

catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction 8888888

Sequence 44 AA;

Check: 5122 AAB69952 Length: 44 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPSKKKKKK

. match found in sequence: aab69953; des Ala35-exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.pep") TOIG of: aab6953 check: 5647 from: 1 to: 44 to: 44

AAB69953 standard; peptide; 44 AA

AAB69953;

02-MAY-2001 (first entry)

des Ala35-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

12-JUL-1999;

99US-0143591P. 99EP-00610043. 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

WPI; 2001-159381/16.

Neve Larsen BD, Mikkelsen JD,

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Novel peptide agonist of level of blood glucose an

el peptide agonist of Glucagon-like peptide, useful for decreasing the el of blood glucose and for treating diseases like diabetes, obesity eating disorders. and

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 0.00 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position a and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, M, O, D, G, K, R, M, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-C(=O)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally, substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic

seq4_ags.res

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acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels elicited by hormones known to increase blood glucose levels electedol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating moutality and morbidity after myocardial infarction
             88888888888888888
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Sequence 44 AA;

AAB69953 Length: 44 February 4, 2005 13:19 Type: P Check: 5647 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPSKKKKKK

1 match found in sequence: aab69954 ; des Gly34-exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.pep") TOIG Of: aab69954 check: 5443 from: 1 to: 44

AAB69954 standard; peptide; 44 AA 02-MAY-2001 (first entry) AAB69954;

des Gly34-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043. L2-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Larsen BD, Mikkelsen JD, Neve S;

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of sexendin comprising 1-5 deletions at positions 34-39 or a Lys. at position 40 having a lipophilic substituent, a glucagon-11ke peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-

CC (R1) (R2)-C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 cubstituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally cubstituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, capacoen, nitro, sulfono, and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cyclohexyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide compaste with the proviso that X is not exembin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels circating disease states associated with elevated blood glucose levels creechol maines including adrenalmin, glucocorticoide, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating contality and morbidity after myocardial infarction

Sequence 44 AA;

AAB69954 Length: 44 February 4, 2005 13:19 Type: P Check: 5443 Found using 'seq4' (mohamed337.key)

|------HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSAPPPSKKKKKK

aab69955 ; des Ser39-(Ly840(palmitoyl)exendin-4(1-39)-(Ly8)7-NH2. to: 46 check: 1833 from: 1 AAB69955 standard; peptide; 46 AA match found in sequence: (from "seq4ags.pep") TOIG of: aab69955 cl AAB69955; CXSXLTLLXSXLXBXSXSXSXSXXSXSXSXSXCC

des Ser39-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2.

02-MAY-2001 (first entry)

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obsesty; insulin resistance syndrome; eating disorder; byperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing th level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X)

exendin comprising 1-5 deletions at positions 34.39 or a tys at position (9 having a liophilic substituent, a glucagon-like peptide (GLP-1) (7-36) naving a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution 8 and/or having a liophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently cound to the variant. Each amino acid in Z is selected from A, L, S, T, C, Y, M, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RL)(R2)-C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally cubstituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, alopentyl and phenyl and phenylmethyl are optionally consistent with the carbon atom to which they are bound, form a cyclohepryl and phenyl and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclohepryl and 2,3-diaminobutanoic caid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cof the peptide conjugate with the proviso that X is not exendin-4 or cyclohepryl, cyclohepryl, cyclohepryl, cyclohepryl, cyclohepryl, cyclohepryl and carboxy; or R1 and C2,3-diaminopropanoic acid or its salt, or the C-terminal amide cof the peptide conjugate is useful in the manufacture of a cyclohepryl and and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclohepryl and morposition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels createful amines including adrenalin, glucocorticolds, growth hormone and catechy and morbidity after myocardial infarction and for reducing metality and morbidity after myocardial infarction which is an exendin at least 90 % homologous to exendin-4, a variant of 8888888888888888888888888888888888

Sequence 46 AA;

AAB69955 Length: 46 February 4, 2005 13:19 Type: P Check: 1833 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPKKKKKKKK

aab69956 ; des Gly34-(Ly840(palmitoyl)exendin-4(1-39)-(Ly8)7-NH2 check: 2268 from: 1 AAB69956 standard; peptide; 46 AA. match found in sequence: (from "seq4ags.pep") roig of: aab69956 c

02-MAY-2001 (first entry) AAB69956;

des Gly34-(Ly840(palmitoyl)exendin-4(1-39)-(Ly8)7-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16

The present sequence is a peptide conjugate comparising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (Gib-1) (7-36) or Gib-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic consultationt, and Z, a peptide sequence of 4-20 amino acids covalently cound to the variant. Each amino acid in Z is selected form A, L, S, T, C, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (R1)(R2)-C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from A; C1-6-alkyl, phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, or R1 and C R2, together with the carbon atom to which they are bound, form a cubstituted with 1-3 substituents selected from C1-6-alkyl, or R1 and C R2, together with the carbon atom to which they are bound, form a cycloheryl, cyclohexyl, or Cycloheryl ring, e.g. 2,4-diaminobutanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cycloheptyl ring, core ceredin-4 or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cycloheptyl ring, e.g. 2,4-diaminob Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucese and for treating diseases like diabetes, obesity and eating disorders. present sequence is a peptide conjugate comprising a peptide (X) Claim 22; Page 66; 83pp; English.

Sequence 46 AA;

Type: P Check: 2268 AAB69956 Length: 46 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSAPPPSKKKKKKK

match found in sequence: aab69957 ; des Ala35-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2. to: 46 (from "seq4ags.pep") TOIG of: aab69957 check: 2472 from: 1 AAB69957 standard; peptide; 46 AA AAB69957;

02-MAY-2001 (first entry)

des Ala35-(Lys40(palmitoy1)exendin-4(1-39)-(Lys)7-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043.

12-JUL-1999; 09-AUG-1999;

12-JUL-2000; 2000WO-DK000393

WO200104156-A1

Synthetic,

18-JAN-2001.

```
The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34-39 or a Lys at position
40 having a lipophilic substituent, a glucagon-like peptide (GLP-1)
56 or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
co isobutyric acid for Ala at position 8 and/or having a lipophilic
co substituent, and Z, a peptide sequence of 4-20 amino acids covalently
could to the variant. Each amino acid in Z is selected from A, L, S, T,
C, W, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-
cc (RI) (RI) (RI) - (-6) -. RI and R2 are selected from H, Cl-6-alkyl, phenyl and
phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3
substituents selected from halogen, hydroxy, amino, cyano, nitro,
culfono, and carboxy, and phenyl and phenylmethyl are optionally
substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl,
caulogen, hydroxy, and phenyl and phenylmethyl are optionally
substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl,
colopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic
cc acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide
cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic
cc acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide
cc of the peptide conjugate with the provise that X is not exendin-4 or
exendin-3. The peptide conjugate is useful in the manufacture of a
cyclopentyl, methyl and morposition for use in treatment of type 1 or type 2
diabetes, insulin resistance syndrome, obesity, eating disorder,
catechol amines including adresmalla, glucose levels, such as
cc catechol amines including adresmalla, glucoscileded by hormones known to increase blood glucose levels, such as
catechol amines including adresmalla, and for reducing
clucagon. It is useful in resistance place and easter as escociated with elevate and catechola glucagon. It is usef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                                                                                                                                                                            Larsen BD, Mikkelsen JD, Neve S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 22; Page 66; 83pp; English.
99US-0143591P,
99EP-00610043.
                                                                                                                                                                           (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and eating disorders.
                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-159381/16.
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12-JUL-1999;
09-AUG-1999;
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPSKKKKKKK

AAB69957 Length: 46 February 4, 2005 13:19 Type: P Check: 2472 Found using 'seq4' (mohamed337.key)

1 match found in sequence:
aab69958 ; des Pro36 (Lyg40 (palmitoyl) exendin-4 (1-39) - (Lyg) 7-NH2.
(from "seq4ags.pep")
TOIG Of: aab69958 check: 1947 from: 1 to: 46

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction. des Pro36-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2. 02-MAY-2001 (first entry) AAB69958;

AAB69958 standard; peptide; 46 AA

The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34:39 or a Lys at position
40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (736) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
isobutyric acid for Ala at position 8 and/or having a lipophilic
substituent, and Z, a peptide sequence of 4-20 amino acids covalently
bound to the variant. Each amino acid in Z is selected from A, L, S, T,
Y, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NHCC (R1) (R2)-C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
CC (R1) (R2)-C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
cc (R1) (R2)-C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
CC (R1) (R2)-C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
cc (R1) (R2)-C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
CC (R1) (R2)-C(-6)-. R1 and R2 are selected from R1-6-alkyl, phenyl and
CC (R1) (R2)-C(-6)-. R1 and R2 are selected from R1-6-alkyl, phenyl and
CC (R1) (R2)-C(-6)-. R1 and R2 are selected from R1-6-alkyl, phenyl and
CC substituents selected from Manylamethyl are optionally
CC substituents selected from Manylamethyl are optionally
CC substituents with the carbon intro, sulfono, and carboxy; or R1 and
CC acid and C2,-diaminopropanoic acid or its salt, or the C-terminal amide
CC catedolin 3. The peptide conjugate is useful in the manufacture of a
pharmaccutical composition for use in treatment of type 1 or type 2
Cd abbetes, insulin resistance syndrome, obssity, eating disorder,
CC catechol amines known to increase blood glucose levels
CC catechol amines known to increase blood glucose levels
CC catechol amines including adermalin, glucocortical evels such as peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity catechol amines including adrenalin, glucocorficoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction Type: P AAB69958 Length: 46 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key) Neve S; Claim 22; Page 66; 83pp; English. Larsen BD, Mikkelsen JD, (ZEAL-) ZEALAND PHARM AS and eating disorders. WPI; 2001-159381/16. Sequence 46 AA; Novel level

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPSKKKKKKK

aab69959 ; Ly840(palmitoyl)exendin-4(1-39)-(Ly8)7-NH2. check: 5670 from: 1 match found in sequence: (from "seq4ags.pep") TOIG of: aab69959 c

AAB69959 standard; peptide; 47 AA AAB69959; HXXXH

02-MAY-2001 (first entry)

seq4_ags.res

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The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 14-39 or a Lys at position 2 to having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino comprision a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, C, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI) (RI)-C(=0)-. RI and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally completely are phenylmethyl are optionally completely with the carbon and carboxy, and phenylmethyl are optionally substituted with 1-3 substituents aslected from C1-6-alkyl, C2-6-alkenyl, aubstituted with 1-3 substituents aslected from C1-6-alkyl, C2-6-alkenyl, cyclopentyl, cyano, nitro, sulfono, and carboxy, or R1 and C2 cyclopentyl, cyclohetyl, ring, e.g. 2,4-diaminobutanoic ccd acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohetyl, ring, e.g. 2,4-diaminobutanoic ccd caid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the provise that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a craechlo amines including adrenalin, glucoocalevels, such as catechlo amines including adrenalin, glucoocalevels, growth hormone and catechlo amines including adrenalin, glucoocalevels, glucagon. It is useful in regulation of gastric emptying, for stimulating plasma lipid level, and for reducing cc mortality and morbidity after myocardial infarction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
                                                                                               Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.
Ly840 (palmitoyl) exendin-4 (1-39) - (Lys) 7-NH2.
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99EP-00610043.
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AAB69959 Length: 47 February 4, 2005 13:19 Type: P Check: 5670 Found using 'seq4' (mchamed337.key) HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSKKKKKKK

aab69962 ; des Pro36-exendin-4(1-39)-NH2 found in sequence: 1 match

to: 38 from: 1 check: 6447 (from "seq4ags.pep") TOIG of: aab69962 c

AAB69962 standard; peptide; 38 AA.

AAB69962;

(first entry) 02-MAY-2001 des Pro36-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Mikkelsen JD, Neve S; Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 23; Page 67; 83pp; English.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a corporation 1 is selected from having a corporation 8 and/or having 4.20 amino acids. Each amino acid in Z is selected from H. S, T, Y, N, CC (-6)-R and R are selected from H. C.1-6-alkyl bound and phenyl-methyl substituted with 1-3 substituents selected from C.1-6-alkyl, C.1-6-alkyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, cogether with the graton atom to which they are bound, form a cyclopentyl, cyclohexyl, corporation for use in treatment of carboxy; or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition of gastric emptying, for stimulating mortality and morbidity conversed blood glucose levels, such as catechol amines including conversed blood glucose levels elicited by hormones for lowering plasma lipid level, and for reducing mortality processity or ce

Sequence 38 AA;

AAB69962 Length: 38 February 4, 2005 13:19 Type: P Check: 6447 Found using 'seq4' (mohamed337.key)

14 4 1 1 4 1 V regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction

Sequence 38 AA;

883333

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The present sequence is peptide X, a component of a novel peptide CC conjugate. X is an exendin at least 90 % homologous to exendin-4, a conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys CC deletion a lipophilic substituent, a glucagon-like peptide CC dipophilic substituent, a glucagon-like peptide CC dipophilic substituent a nad/or having a lipophilic substituent a nad/or having a cc lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1 pophilic substituent. X is covalently bound to Z, a peptide sequence of CC d-20. R and R 2 are selected from H, C.1-6-alkyl, phenyl and phenyl-1 cc deletion R 2 are selected from H, C.1-6-alkyl, phenyl and phenyl companyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from Cl-6-alkyl is optionally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopenryl, cyclohexyl, cd and cid or its salt, or the C-terminal amide of the peptide conjugate is useful in the manufacture of a pharmaccutical composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, composition for use in treatment of type 1 or type 2 diabetes, meaning composition for use in treatment of type 1 or type 2 diabetes, composition for use in treatment of type 1 or type 2 diabetes, method composition for use in treatment of type 1 or type 2 diabetes, composition for use in treatment of type 2 diabetes, insulin composition for use in treatment of type 2 diabetes, insulin composition diabetes and gastric disease. It is useful for treatment of a pharmaccumposition disease blood glucose levels, such as catechol am
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.
                                                                                                                                                                                                                                                                                                                                    to: 38
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPS
                                                                                                                                                                                                                                                                                                                                    check: 6972 from: 1
                                                                                                                                                                                             . match found in sequence:
aab69963; des Ala35-exendin-4(1-39)-NH2.
(from "seq4ags.pep")
TOIG of: aab69963 check: 6972 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB69963 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      des Ala35-exendin-4(1-39)-NH2
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99EP-00610043
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB69963;
                                                                                                                                                                                                       1 match
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The present sequence is peptide X, a component of a novel peptide CC conjugate. X is an exendin at least 90 % homologous to exendin-4, a conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys CC at position 40 having a lipophilic substituent, a glucagon-like peptide CC (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a CC (Ipophilic substituent. X is covalently bound to Z, a peptide sequence of Ipophilic substituent. X is covalently bound to Z, a peptide sequence of C, C, R, M, M, Orn, and amino acid unite of formla -NH-C(R1) (R2)-CC (-0)-. R and R2 are selected from H, C1-6-alkyl, phenyl and phenyl completelyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from Anlogen, hydroxy, and phenyl and phenylmethyl are optionally substituted with 1-3 cubstituents selected from C1-6-alkyl, are optionally substituted with 1-3 cubstituents selected from C1-6-alkyl, are optionally substituted with 1-3 cubstituents or anino, cyano, nitro, authon C1-6-alkyl, are optionally substituted with 1-3 cubstituents acident or which they are bound, form a cyclopencyl, cyclobexyl, creation atom to which they are bound, form a cyclopencyl, cyclobexyl, or cyclobeptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-creative complexed and comprehensial amide of the peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
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AAB69963 Length: 38 February 4, 2005 13:19 Type: P Check: 6972 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                  to: 38
                                                                                       HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPS
                                                                                                                                                                                                                                                  from: 1
                                                                                                                                                                                   1 match found in sequence:
aab69964 ; des Gly34-exendin-4(1-39)-NH2.
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                                                                                                                                                                                                                                                                                           AAB69964 standard; peptide; 38
                                                                                                                                                                                                                                                                                                                                                                                                                          des Gly34-exendin-4(1-39)-NH2.
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99EP-00610043.
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TOIG of: aab69964 c
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09-AUG-1999;
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seq4_ags.res

conjugate with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction 88666666666688888

Sequence 38 AA;

AAB69964 Length: 38 February 4, 2005 13:19 Type: P Check: 6768 Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSAPPPS

match found in sequence:
aab65965; des Gly34-(Lys40(palmitoyl)exendin-4(1-39)-NH2.
(from "seq4ags.pep")
TOIG of: aab69965 check: 9693 from: 1 to: 39 l match

AAB69965;

AAB69965 standard; peptide; 39 AA

(first entry) 02-MAY-2001 des Gly34-(Lys40(palmitoyl)exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1

18-JAN-2001,

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 23; Page 67; 83pp; English.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1:pophilic substituent. X is covalently bound to Z, a peptide sequence of 4-20 amino acids. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, M, Orn, and amino acid units of formula -NH-C(R1) (R2) - C(=0) -. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-

methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from Cl-6-alkyl, Cl-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3- diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmacutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperslycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucos levels elicited by hormones known to increase blood glucose levels, such as catechol amines including afrenalin, glucocorticoids, growth hormone and glucaen; in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction.

Sequence 39 AA;

AAB69965 Length: 39 February 4, 2005 13:19 Type: P Check: 9693 Found using 'seq4' (mohamed337.key)

:

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSAPPPSK

match found in sequence:
aab69966; des Ala35-(Ly840(palmitoyl)exendin-4(1-39)-NH2.
{from "seq4ags.pep")
TOIG of: aab69966 check: 9897 from: 1 to: 39

AAB69966 standard; peptide; 39 AA

AAB69966;

02-MAY-2001 (first entry)

des Ala35-(Lys40(palmitoyl)exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 23; Page 67; 83pp; English.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4,

seq4_ags.res

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definition of the properties o
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Sequence 39 AA;

AAB69966 Length: 39 February 4, 2005 13:19 Type: P Check: 9897 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPSK

. match found in sequence:
aab69967; des Pro36-[Lys40(palmitoy1)exendin-4(1-39)-NH2.
(from "seq4ags.pep")
TOIG of: aab69967 check: 9372 from: 1 to: 39

AAB69967 standard; peptide; 39 AA (first entry) 02-MAY-2001

des Pro36-(Lys40(palmitoyl)exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1

18-JAN-2001.

99US-0143591P 12-JUL-2000; 2000WO-DK000393

99EP-00610043 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Larsen BD, Mikkelsen JD,

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WPI; 2001-159381/16.

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The present sequence is peptide X, a component or a nover peptide conjugate. X is an exendin at least 90 % homologous to exendin 4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys (CLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (CLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (CLP-1) (7-36) or GLP-1 (7-37) having a substituent is epetide sequence of lipophilic substituent. X is covalently bound to Z, a peptide sequence of CC (1-0)-1 R1 and R2 are selected from H, CL-6-alkyl, bound to Z, Y, N, CC (2-0)- R1 and R2 are selected from H, CL-6-alkyl, benefit and phenyl phenyl phenyl phenyl and phenyl ph
Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
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                                                                                                                                                                                                                                                                                                                                                                                                                         peptide X, a component of a novel peptide
                                                                                                                                                                                                                                                                                             Claim 23; Page 67; 83pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                        present sequence is
                                                                                                                                                         and eating disorders.
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AAB69967 Length: 39 February 4, 2005 13:19 Type: P Check: 9372 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPSK

check: 8695 from: 1 . match found in sequence: aab69968; Exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.pep") TOIG of: aab69968 check: 8695 from: 1 match

to: 45

AAB69968;

AAB69968 standard; peptide; 45 AA

02-MAY-2001 (first entry)

Exendin-4 (1-39) - (Lys) 6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic. BXFXBXBXBXBXBXBXBXBXBXBXBXBXBXBXB

WO200104156-A1

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 12-JUL-1999; WO200104156-A1

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The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino CC isobutrivic acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI) (RIZ)-(C=0). RI and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from Hordroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl-methyl are optionally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, alogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl-methyl are optionally cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic coid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a cycloheptyl cing, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, such as creating disease states associated with elevated blood glucose levels created and morphidity after myocardial infarction and for reducing plasma lipid level, and for reducing plasma lipid level, and for reducing plasma lipid level, and for reducing corrections.
                                                                                                                                                                                                                Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB69968 Length: 45 February 4, 2005 13:19 Type: P Check: 8695
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSKKKKKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
aab69969 ; des Pro36-exendin-4(1-39) - (Lys) 6-NH2.
(from "seqdags.pep")
TOIG of: aab69969 check: 5122 from: 1 to: 44
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                                                                                                                                                                                                                                                                                                                        Claim 24; Page 67; 83pp; English.
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99EP-00610043
                                                                                                        Larsen BD, Mikkelsen JD,
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                                                  (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                         and eating disorders.
                                                                                                                                                             WPI; 2001-159381/16.
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09-AUG-1999;
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The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of cerendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-37) having a substituent, and Z, a peptide sequence of 4-20 amino acide (GLP-1) (7-37) having a substituent. Each amino acid in Z is selected from A, L, S, T, C, D, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI) (RI) (RI) -C(-6)-. RI and R2 are selected from H, CI-6-alkyl, phenyl methyl, where CI-6-alkyl is optionally substituted with 1-3 substituents selected from H, CI-6-alkyl, CC sulfono, and carboxy, and phenylmethyl are optionally substituted with 1-3 substituents selected from CI-6-alkyl, C2-6-alkenyl, cyclohexyl and phenylmethyl are optionally substituted with 1-3 substituents selected from CI-6-alkyl, C2-6-alkenyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl ring, e.g. 2,4-diaminopropanoic acid or its salt, or tyclopentyl ring, e.g. 2,4-diaminobutanoic cy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 27; Page 68; 83pp; English.
                                                                            12-JUL-2000; 2000WO-DK000393.
                                                                                                                                                         99US-0143591P.
99EP-00610043.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                eating disorders.
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TOIG of: aab69971 c
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                                                                                                                                                         12-JUL-1999;
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18-JAN-2001
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The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substitution of D-Ala, Gly or (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or Lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1-20 amino acids. Each amino acid in Z is selected from A, L, S, T, Y, N, C, C, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-CC (-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl and phenyl and phenylmethyl substituted with 1-3 substituents selected from Anlogon, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, and carboxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with the acid or its salt, or the C-terminal amide of the peptide or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insulin conjugate with elevated blood glucose levels elicited by hormones known to increase blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adenaling plasma lipid level, and for reducing mortality and morbidity of the perior of elevels, and sected are all such as catechol amines including capture and capture manyland and scatechol amines including capture more all sevels.
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level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                 Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.
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Exendin-4 (1-39)
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                                                                                                                                                                                                                                                                                                                                                 Unidentified.
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AAB69971 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key) HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

aab69979; des Pro36, Pro37-exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.pep") 1 match found in sequence:

to: 36 from: 1 AAB69979 standard; peptide; 36 AA TOIG of: aab69979 check: 441

AAB69979;

02-MAY-2001 (first entry)

des Pro36, Pro37-exendin-4(1-39)-(Lys)6-NHZ.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obsestby, insulin resistance syndrome; eating disorder; byperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S: Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34.39 or a Lys at position 36.30 or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic comparant. Each amino acid in Z is selected from 4, L, S, T, Y, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-cC (RI)(RI)(RI)-(1-6). RI and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally competituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenylmethyl are optionally cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, e.g. musulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels creating disease states associated with elevated blood glucose levels citred by hormones known to increase blood glucose levels, glucagon. It is useful in regulation of gastric emptying, growth hormone and cutedily and morbidity after myocardial infarction

Sequence 36 AA;

AAB69979 Length: 36 February 4, 2005 13:19 Type: P Check: 441 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAS
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match found in sequence: aab69980 ; (Ly8)6-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2. to: 42 from: 1 check: 8306 (from "seq4ags.pep") TOIG of: aab69980 c

AAB69980 standard; peptide; 42 AA

AAB69980

(first entry) 02-MAY-2001

(Lys)6-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Mikkelsen JD, Neve S; Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutrivic acid for Ala at position 8 and/or having a lipophilic cubstituent, and Z, a peptide sequence of 4-20 amino acids covalently cubstituent. Each amino acid in Z is selected from A, L, S, T, Y, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C (R1) (R2)-c(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from H c1-6-alkyl, phenyl and carboxy, and phenyl-methyl are optionally cubstituents selected from C1-6-alkyl, or Substituents selected from C1-6-alkyl, or Substituents selected from C1-6-alkyl, or Substituents selected from C1-6-alkyl, c2-6-alkenyl, c3-14-almono, cyano, nitro, and carboxy, or R1 and c2-6-alkyl, c3-4-almono, c3-4-almon

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insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction
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Sequence 42 AA;

Type: P Check: 8306 AAB69980 Length: 42 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

KKKKKKKHGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAS

. match found in sequence: aab69981 ; Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2. (from "seq4ags.pep") TOIG of: aab69981 check: 8189 from: 1 to: 42

AAB69981 standard; peptide; 42 AA

AAB69981;

(first entry) 02-MAY-2001

Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; earling disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 12-JUL-1999;

99EP-00610043. 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lye at position to having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobstituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Bach amino acid in Z is selected from A, L, S, T, Y, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from C1-6-alkyl, c2-6-alkenyl, substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, and ogen, hydroxy, and phenyl and phenyl and phenyl and phenyl and phenyl and phenyl and carboxy; or R1 and R2 to cyclopentyl, cyclohexyl, or cyano, nitro, sulfono, and carboxy; or R1 and R2 to copentyl, cyclohexyl, or cyclopetyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the Cterminal amide of the peptide conjugate with the proviso that X is not exendin-4 or

exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating mosulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction 888888888888888

Sequence 42 AA;

AAB69981 Length: 42 February 4, 2005 13:19 Type: P Check: 8189 Found using 'seq4' (mohamed337.key)

|-----| | NEEEEEHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAS

. match found in sequence: aab69982 ; (Lys)6-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. to: 48 from: 1 (from "beq4ags.pep") TOIG of: aab69982 check: 8781

AAB69982 standard; peptide; 48 AA

(first entry) 02-MAY-2001

(Lys) 6-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myccardial infarction.

Synthetic

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Mikkelsen JD, Larsen BD,

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Neve

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-11ke peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1)(R2)-C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3

c substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally considerably. Substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and C R2, together with the carbon atom to which they are bound, form a CC cyclopertyl, cyclolecxyl ring, e.g. 2, 4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or cexendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, citreating disease states associated with elevated blood glucose levels treating disease states associated with elevated blood glucose levels clicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction

Sequence 48 AA;

AAB69982 Length: 48 February 4, 2005 13:19 Type: P Check: 8781 Found using 'seq4' (mohamed337.key)

KKKKKKKHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGASKKKKKK

match found in sequence: aab56983; Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.ppp") TOIG of: aab59983 check: 8664 from: 1 to: 48

AAB69983 standard; peptide; 48 AA AAB69983;

02-MAY-2001 (first entry)

Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position

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CC 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino consistent and are position a and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acide covalently cound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-cc (RI) (R2)-C(=0)-. R1 and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents aclected from Cl-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents aclected from Cl-6-alkyl, C2-6-alkenyl, substituted with the acarbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2.4-diaminobutanoic cyclopentyl, cyclopentyl coming with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a cyclopentyl manufacture of a diabetes insulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels circled by hormones known to incre
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Sequence 48 AA;

AAB69983 Length: 48 February 4, 2005 13:19 Type: P Check: 8664 Found using 'seq4' (mohamed337.key)

|-----| NEEBEEHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGASKKKKKK

match found in sequence: aab69984 ; des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. check: 8216 from: 1 to: 42 AAB69984 standard; peptide; 42 AA 02-MAY-2001 (first entry) (from "seq4ags.pep") TOIG of: aab69984 c AAB69984;

des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myccardial infarction.

Synthetic

WO200104156-A1.

18-JAN-2001.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

12-JUL-2000; 2000WO-DK000393.

(ZEAL-) ZEALAND PHARM AS.

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 34-39 or a Lys at position 36 or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-37) having a substituent a substituent, a mad Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI)[X2)-(C-6)-. Il and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituent with 1-3 substituents aelected from H, Cl-6-alkyl, phenyl and phenylmethyl are optionally substituent with 1-3 substituents aelected from Cl-6-alkyl, C2-6-alkenyl, alogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels cicted by hormones known to increase blood glucose levels, such as catechin amines including adrenalin, glucoretricoide, growth hormone and catechin amines including adrenalin, glucoretricoide, growth hormone and cuteding disease states associated with elevated blood glucose levels elected by hormones known to increase blood glucose levels, insulin release, for lowering plasma lipid level, and for reducing cyclopers ar level of blood glucose and for treating diseases like diabetes, obesity and eating disorders. Claim 22; Page 67; 83pp; English.

Sequence 42 AA;

AAB69984 Length: 42 February 4, 2005 13:19 Type: P Check: 8216 Found using 'seq4' (mohamed337.key)

|------| HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGASKKKKKK

1 match found in sequence: aab69989 ; des Pro36-des Pro37-exendin-4(1-39)-NH2. check: 3404 from: 1 AAB69989 standard; peptide; 37 AA 02-MAY-2001 (first entry) (from "seq4ags.pep" TOIG of: aab69989 AAB69989;

to: 37

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eathing disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

des Pro36-des Pro37-exendin-4(1-39)-NH2.

Synthetic.

WO200104156-A1

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 12-JUL-1999;

09-AUG-1999;

WO200104156-A1

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The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys carpant of exendin comprising 1-5 deletions at positions 34-39 or a Lys cc at position of baving a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, GLP or lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1 ipophilic substituent. X is covalently bound to Z, a peptide sequence of C (1-6) r. R1 and R2 are selected from H, C.1-6-lkyl is optionally substituted with 1-3 substituents celected from Alace (1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, and phenyl methyl amino, cyano, nitro, sulfono, and pentyl methyl and phenylmethyl are optionally substituent with carbon, and phenyl methyl are optionally substituent with carbon atom to which they are bound, form a cyclohepryl ring, e.g. 2,4-diaminobutanoic acid and 2,3-c diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes insulin composition for use in treatment of type 1 or type 2 diabetes insulin composition disease to be second associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including associated with elevated blood glucose levels elicited in second in the centuring langes in the century of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity contains the composition of gastric emptyling for the reducing mortality and morbidit
                                                                                                                                                                                     peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity
                                                                             Larsen BD, Mikkelsen JD, Neve S;
                                                                                                                                                                                                                                                                                                             Claim 23; Page 67; 83pp; English.
                       (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                       and eating disorders.
                                                                                                                                      WPI; 2001-159381/16.
                                                                                                                                                                                                                            ievel
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Sequence 37 AA;

37 February 4, 2005 13:19 Type: P Check: 3404 (mohamed337.key) AAB69989 Length: 37 Found using 'seq4' (mo

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPS

1 match found in sequence: aab69990 ; des Pro36-des Pro37-des Pro 38-exendin-4(1-39)-NH2. check: 441 from: 1 to: 36 (from "seq4ags.pep") TOIG of: aab69990 c

AAB69990 standard; peptide; 36 AA

AAB69990;

02-MAY-2001 (first entry)

des Pro36-des Pro37-des Pro 38-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comportaing 1-5 deletions at positions 34-39 or a Lys at positions 34-39 or a Lys (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1 popphilic substituent. X is covalently bound to Z, a peptide sequence of (C -20). R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl and R2 are selected from H, C1-6-alkyl, phenyl and addition addition for use in treatment of type 1 or type 2 diabetes, insulin associated with elevated blood glucose levels elicited by hormones states associated with elevated blood glucose levels elicited by hormones states and gastric disease. It is useful in the and phenyl and morbidity and morbidity and phenyl Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity Neve S; Claim 23; Page 67; 83pp; English. 12-JUL-2000; 2000WO-DK000393 99US-0143591P 99EP-00610043 after myocardial infarction Mikkelsen JD, (ZEAL-) ZEALAND PHARM AS and eating disorders. WPI; 2001-159381/16. Sequence 36 AA; 12-JUL-1999; 09-AUG-1999; Larsen BD, 18-JAN-2001

AAB69990 Length: 36 February 4, 2005 13:19 Type: P Check: 441 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAS

1 match found in sequence:

aab85925; Gila monster venom exendin 3 peptide fragment. (from "seq4ags.pep")
TOIG of: aab85925 check: 9591 from: 1 to: 39 AAB85925 standard; peptide; 39 AA 30-NOV-2001 (first entry) AAB85925; 8X4X6X8

Gila monster venom exendin 3 peptide fragment.

Fri Feb

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The invention is directed towards the amelioration of organ tissue injury caused by reperfusion of blood flow after ischemia. The method involves administering a composition containing a compound which binds to a receptor for glucagon-like peptide-1 (GLP-1) in a carrier. GLP-1 effectively enhances peripheral glucose uptake without inducing dangerous hypoglycemia. GLP-1 strongly suppresses glucagon secretion, independent of its insuliniotropic action and powerfully reduces plasma free fatty acid (FFA) level having major toxic mechanism during myocardial ischemia, acid (FFA) level having major toxic mechanism during myocardial ischemia, acid (FFA) level having area be accomplished with insulin. The method is without side effects normally attendant with therapies presently available. GLP-1 suppresses paracrine by intra-islet release of insulin or somatostatin. GLP-1 is unique in its capacity to simultaneously. Stimulate insulin secretion and inhibit glucagon release. The present sequence represents a gila monster venom exendin 3 peptide fragment, homologous to a mammalian GLP-1 peptide fragment
           GLP-1; organ tissue; injury; reperfusion; ischemia; glucose; exendin; glucagon-like peptide-1; vasotropic; antiarrhythmic; antidiabetic; gila monster; venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GLP-1; organ tissue; injury; reperfusion; ischemia; glucose; exendin; glucagon-like peptide-1; vasotropic; antiarrhythmic; antidiabetic; gila monster; venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Metabolic intervention with GLP-1 improves function of ischemic and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    February 4, 2005 13:19 Type: P Check: 9591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aab85927 ; Gila monster venom exendin 4 peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gila monster venom exendin 4 peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HSDGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS
                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Col 7-10; 10pp; English.
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                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB85927 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB85925 Length: 39 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                            98US-0103498P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Coolidge TR, Ehlers MRW;
                                                                                                                                                                                                                                                                                                                                                                                                                     (BION-) BIONEBRASKA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                match found in sequence:
                                                                                                       Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-040881/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          reperfused tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq4ags.pep")
TOIG of: aab85927 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                                                                30-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                         08-OCT-1998;
                                                                                                                                                                                                                                         US6284725-B1
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XXXXXXXXXXXXXXXXX

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The invention is directed towards the amelioration of organ tissue injury caused by reperfusion of blood flow after ischemia. The method involves administering a composition containing a compound which binds to a receptor for glucagon-like peptide-1 (Gip-1) in a carrier. Gip-1 effectively enhances peripheral glucose uptake without inducing dangerous hypoglycemia. Gip-1 strongly suppresses glucagon secretion, independent of its insuliniotropic action and powerfully reduces plasma free fatty, acid (FFA) level having major toxic mechanism during myocardial ischemia, substantially more than can be accomplished with insulin. The method is ubstantially more than can be accomplished with insulin. The method is available. Gip-1 suppresses paracrine by intra-islet release of insulin or somatostatin. Gip-1 is unique in its capacity to simultaneously crimulate insulin secretion and inhibit glucagon release. The present sequence represents a glia monster venom exendin 4 peptide fragment, homologous to a mammalian Gip-1 peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-3; antilipemic; cardiant; triglyceride; inotropic; diuretic;
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Metabolic intervention with GLP-1 improves function of ischemic and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB85927 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aae08345; Heloderma horridum exendin-3 peptide.
(from "seq4ags.pep")
                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check: 9591 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Col 7-10; 10pp; English
                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
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                                                                                                                                                                                                                                                                     99US-00302596
                                                                                                                                                                                                                                                                                                                    98US-0103498P
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                                                                                                                                                                                                                                                                                                                                                                                                                               Ehlers MRW;
                                                                                                                                                                                                                                                                                                                                                                          (BION-) BIONEBRASKA INC.
Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-040881/05.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   reperfused tissue.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
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                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                               Coolidge TR,
                                                                                                                                                                                                                                                                     30-APR-1999;
                                                                                                                                                                                                                                                                                                                       08-OCT-1998;
                                                                                                                                                          US6284725-B1
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Sequence 30 AA;
                                                                                                                                                                                                                                                                                     X44X8X0000000X8
                                                                                                                                Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic;
coronary heart disease; dyslipidaemia.
                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exendin-3 peptide from Heloderma horridum
                                                                                                                                                                                                                                                                                    AAE08345 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aae08346; Heloderma suspectum exendin-4 peptide.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                          to: 39
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                                                                                                                                                                                                                                                                                                                          HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum exendin-4 peptide
                                                                                                                                                                                                                                                                                                                                                                                           check: 9570 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
39
                                                                                                                                                              Disclosure; Page 10; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                             AAE08346 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-JAN-2000; 2000US-0175365P
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                                                        10-JAN-2000; 2000US-0175365P.
                                      09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA;
                                                                           (AMYL-) AMYLIN PHARM INC
                                                                                              Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Heloderma suspectum.
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                                                                                                              WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                   Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200151078-A1
 WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                             TOIG of: aae08346
                                                                                              Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-2001
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                    19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08346;
                                                                                                                                                                                                                                                                                                                                                                 1 match
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exandin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is an agonist of exendin, exendin-4 (residues 1-30) from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                       The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat concary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is exendin-4 peptide from Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08346 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aae08350 ; Heloderma suspectum exendin-4 peptide (residues 1-30).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum exendin-4 peptide (residues 1-30).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                               Disclosure; Page 10; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 13; Page 14; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08350 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (from "seq4ags.pep"
TOIG of: aae08350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
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Heloderma suspectum modified exendin-4 amide peptide (residues 1-28)#1.

to: 28

from: 1

TOIG of: aae08352 check: 151

AAE08352 standard; peptide; 28 AA

01-NOV-2001 (first entry)

AAE08352

cardiant, triglyceride, inotropic, diuretic, dyslipidaemia.

Exendin-4; antilipemic; coronary heart disease;

Heloderma suspectum

/note= "C-terminal amide"

WO200151078-A1

19-JUL-2001

09-JAN-2001; 2001WO-US000719 10-JAN-2000; 2000US-0175365P

(AMYL-) AMYLIN PHARM INC.

Young AA;

Kolterman OG,

WPI; 2001-514422/56.

Location/Qualifiers

Key Modified-site

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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is an agonist of exendin, exendin-4 amide (residues 1-
                                                                                                                                                                                                                                                                                                                                            Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                            match found in sequence:
aae08351 ; Heloderma suspectum exendin-4 peptide (residues 1-30) amide.
   Check: 4889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Check: 4889
                                                                                                                                                                                                                                                                                                            Heloderma suspectum exendin-4 peptide (residues 1-30) amide.
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Found using 'seg4' (mchamed337.key)
 Length: 30 February 4, 2005 13:19 Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
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                                                                                                                                                                             from: 1
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                                                                                                                                                                                                               AAE08351 standard; peptide; 30 AA
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30) from Heloderma suspectum
                                                                                                                                                                               check: 4889
                                                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA;
                                                                                                                                                                                                                                                                                                                                                                                              Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
                                                                                                                                                                (from "seq4ags.pep")
TOIG of: aae08351 c
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Modified-site
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                                                                                                                                                                                                                                                                             01-NOV-2001
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AAE08350 Le
Found using '
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exent esquence is Heloderma suspectum modified exendin-4 amide (residues 1-28) which is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08352 Length: 28 February 4, 2005 13:19 Type: P Check: 151 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aae08353; Heloderma suspectum modified exendin-4 peptide.
(from "seq4aga.pep")
TOIG of: aae08353 check: 9131 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Heloderma suspectum modified exendin-4 peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 14; 161pp; English.
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1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
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MAXAXAXAXAXA
MAXAXAXA
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1 match found in sequence: aae08352 ; Heloderma suspectum modified exendin-4 amide peptide (residues 1-28 (from "seq4ags.pep")

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                    Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin: Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08354 Length: 39 February 4, 2005 13:19 Type: P Check: 9556 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aae08355; Exendin agonist peptide #2.
(from "seq4ags.pep")
TOIG of: aae08355 check: 9145 from:
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                10-JAN-2000; 2000US-0175365P.
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                                                   (AMYL-) AMYLIN PHARM INC.
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                                                                                            Young AA;
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                                                                                                                                   WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
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Modified-site
                                                                                            Kolterman OG,
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have intorropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is Heloderma suspectum modified exendin-4 peptide which
                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        yonist; antilipemic; cardiant; triglyceride; inotropic; coronary heart disease; dyslipidaemia.
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/note= "C-terminal amide"
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39
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(from "seq4ags.pep")
TOIG of: aae08354 check: 9556 from:
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                      Heloderma suspectum
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                                                                              Modified-site
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levels, and treating heart disease and dyslipidemia.
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                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin, Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                  Example 3a; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . match found in sequence:
aae08356; Exendin agonist peptide #3.
[from "seq4ags.pep"]
TOIG of: aae08356 check: 9587 from:
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                                                                                                                                                                                                                                                                              Sequence 39 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
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HGEGTFTSDLSKQMBEEAVRLFIEWLKNGGPSSGAPPPY
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(from "seq4ags.pep")
TOIG of: aae08357 check: 9804 from:
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                                                                                                    Sequence 39 AA;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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(from "seq4ags.pep")
TOIG of: aae08360 check: 9563 from:
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                                         Exendin agonist peptide #6
01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                    WO200151078-A1
                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman OG,
                                                                                                                                                                                                                                                      Modified-site
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                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08360;
  exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                    Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08358 Length: 39 February 4, 2005 13:19 Type: P Check: 9567
Found using 'seq4' (mohamed337.key)
                                                                                                         to: 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
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                                                                                                         from: 1
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39
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aae08359; Exendin agonist peptide #6.
(from "seq4ags.pep")
TOIG of: aae08359 check: 9678 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08359 standard; peptide; 39 AA
                                                                                                                                                 AAE08358 standard; peptide; 39 AA
                                                               aae08358 ; Exendin agonist peptide #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 5; Page; 161pp; English
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                                                                                                         check: 9567
                                                                                                                                                                                                                                                                              Exendin agonist peptide #5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA;
                                            1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
                                                                                     (from "seq4ags.pep")
TOIG of: aae08358 c
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                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
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levels, Use of

Synthetic

AAE08358;

Synthetic.

AAE08359

SYX

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of exendin and exendin agonist compounds for modulating triglyceride sls, and treating heart disease and dyslipidemia.
                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum trigly/ceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial trigly/ceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                       |-----|
HGEGTFSTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPT
                                                                                                                                                                                                                                                                                                                                           AAE08361 Length: 39 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                     Example 8; Page; 161pp; English
              (AMYL-) AMYLIN PHARM INC.
                                         Young AA;
                                                                 WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                 Sequence 39 AA;
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                                         Kolterman OG,
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                                                                                                            levels,
                                                                                            Use
 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8360 Length: 39 February 4, 2005 13:19 Type: P Check: 9563 using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 39
                           "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFSSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
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 Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .match found in sequence:
aae08361 ; Exendin agonist peptide #8.
                                                                                                                                                                                                                                                                                       Example 7; Page; 161pp; English
                                                                                                                                    10-JAN-2000; 2000US-0175365P.
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                                                                                                         09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                               (AMYL-) AMYLIN, PHARM INC
                                                                                                                                                                                        Young AA;
                            /note=
                                                                                                                                                                                                                     WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq4ags.pep")
TOIG of: aae08361 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA
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 Key
Modified-site
                                                    WO200151078-A1
                                                                                                                                                                                          Kolterman OG,
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Modified-site
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Check: 9610

Type: P

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                               Exendin agoniet, antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                   to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                          AAE08362 standard; peptide; 39 AA
match found in sequence:
aae08362; Exendin agonist peptide #9.
[firom "seq4ags.pep"]
TOIG of: aae08362 check: 9617 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 9; Page; 161pp; English
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                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #9
                                                                                                                                                                                                                                                    01-NOV-2001 (first entry)
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seq4_ags.res

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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
X666666666668X8
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Sequence 39 AA;

AAE08362 Length: 39 February 4, 2005 13:19 Type: P Check: 9617 Found using 'seq4' (mohamed337.key)

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HGEGTFTTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPT
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to: 39 check: 9579 from: 1 aae08363; Exendin agonist peptide #10. (from "seq4ags.pep")
TOIG of: aae08363 check: 9579 from: I match found in sequence:

AAE08363 standard; peptide; 39 AA

AAE08363;

(first entry) 01-NOV-2001 Exendin agonist peptide #10.

Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO200151078-A1.

19-JUL-2001

09-JAN-2001; 2001WO-US000719

10-JAN-2000; 2000US-0175365P

(AMYL-) AMYLIN PHARM INC.

Young AA; Kolterman OG,

WPI; 2001-514422/56.

Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.

Example 10; Page; 161pp; English.

The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification

AAE08364 Length: 39 February 4, 2005 13:19 Type: P Check: 9690 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

HGEGTFTSDXSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                            :
                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist, antilipemic, cardiant, triglyceride, inotropic;
diuretic, coronary heart disease, dyslipidaemia.
                                         Check: 9579
                                         Type: P
                                                                                                                                                                                                                   to: 39
                                         AAE08363 Length: 39 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                      HGEGTFTSELSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "Pentylglycine"
                                                                                                                                                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                   1 match found in sequence:
aae08364; Exendin agonist peptide #11.
(from "seq4ags.pep")
. TOIG of: aae08364 check: 9690 from:
                                                                                                                                                                                                                                                 AAE08364 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #11
                                                                                                                                                                                                                                                                                                                 01-NOV-2001 (first entry)
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             Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200151078-A1
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Modified-site
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Fri Feb

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08366 Length: 39 February 4, 2005 13:19 Type: P Check: 9724 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                       'note= "Pentylglycine"
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aae08367; Exendin agonist peptide #14.
(from "seq4ags.pep")
TOIG of: aae08367 check: 9299 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08367 standard; peptide; 39 AA
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                                                                                Exendin agonist peptide #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-2001 (first entry)
                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman OG, Young AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                        WO200151078-A1
                                                                                                                                                                                                                                Key
Modified-site
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                                     01-NOV-2001
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                                                                                                                                                                                    Synthetic
AAE08366;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                              Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08365 Length: 39 February 4, 2005 13:19 Type: P Check: 9251 Found using 'seq4' (mohamed337.key)
                                                                                                      to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "Pentylglycine"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence: aae08366 ; Exendin agonist peptide #13.
                                  match found in sequence:
aae08365 ; Exendin agonist peptide #12
                                                                                                                                             AAE08365 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 12; Page; 161pp; English
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                                                                                                                                                                                                                                                                       Exendin agonist peptide #12
                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC
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                                                                                  (from "seq4ags.pep")
TOIG of: aae08365 c
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TOIG of: aae08366
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Modified-site
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                                                                                                                                                                                                                              01-NOV-2001
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Synthetic.

Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.

to: 39

AAE08366 standard; peptide; 39 AA

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Fri Feb

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08368 Length: 39 February 4, 2005 13:19 Type: P Check: 9966 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aae08369 ; Exendin agonist peptide #16.
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                                                                                                                                                                                                                                                                                                                       Example 15; Page; 161pp; English.
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                                                      09-JAN-2001; 2001WO-US000719
                                                                                                10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-NOV-2001 (first entry)
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                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                    WPI; 2001-514422/56.
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TOIG of: aae08369
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                  19-JUL-2001
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                       /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "Naphthylalanine"
                                                                               note= "Pentylglycine"
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                                       Location/Qualifiers
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aae08368 ; Exendin agonist peptide #15.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 14; Page; 161pp; English.
                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                     Young AA;
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TOIG of: aae08368
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                                                                                                    Modified-site
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AAE08368;

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                                                                                                                                                                                                                                                                                                                                                                                                exendin and exendin agonist compounds for modulating triglyceride , and treating heart disease and dyslipidemia.
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                                                                                                                                                                          suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They euppress the secretion of glucagon. Exendin and its agonists have a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                         AAE08369 Length: 39 February 4, 2005 13:19 Type: P Check: 9869 ound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aae08370 ; Exendin agonist peptide #17.
(from "seq4ags.pep")
TOIG of: aae08370 check: 9430 from:
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                                                                                     Example 16; Page; 161pp; English
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WPI; 2001-514422/56.
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                                                     levels,
                                   Use of
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
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                                                                                                                                                                                                                                                                                                                              Type: P Check: 9430
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HGEGTFTSDLSKQLEEEAVRLFVEFLKNGGPSSGAPPPS
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(from "seq4ags.pep")
TOIG of: aae08371 check: 9915 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
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                                                                                                                                                                                                                                                          Sequence 39 AA;
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aae08373 ; Exendin agonist peptide #20.

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist, antilipemic; cardiant, triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
AAE08371 Length: 39 February 4, 2005 13:19 Type: P Check: 9915 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Check: 9476
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "Tertiary-butylglycine"
                                                                                                                                                                                                                                          to: 39
                                                                 |-----|
HGEGTFTSDLSKQMEEEAVRLFXEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                                       check: 9476 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                     1 match found in sequence:
aae08372; Exendin agonist peptide #19.
(from "seq4ags.pep")
TOIG of: aae08372 check: 9476 from:
                                                                                                                                                                                                                                                                                   AAE08372 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 19; Page; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #19
                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200151078-A1
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Modified-site
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                      Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                                                                                                                         01-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                              AAE08372;
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|------HGEGTFTSDLSKQLEEEAVRLFXEFLKNGGPSSGAPPPS

1 match found in sequence:

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                              Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Type: P Check: 9546
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           to: 39
                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQMEEEAVRLFIDWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08373 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
           from: 1
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                                                                                                                                                                                                                                           Location/Qualifiers
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(from "seq4ags.pep")
TOIG of: aae08374 check: 9145 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08374 standard; peptide; 39 AA
                                       AAE08373 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P
                                                                                                                                   Exendin agonist peptide #20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #21.
           check: 9546
                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence
(from "seq4ags.pep"
TOIG of: aae08373
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                                                                                                                                                                                                                                                                                                       WO200151078-A1
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Modified-site
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                                                                                                    01-NOV-2001
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                                                                                                                                                                                                              Synthetic.
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                                                                       AAE08373;
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Synthetic

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptied sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08375 Length: 39 February 4, 2005 13:19 Type: P Check: 706
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
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                                                                                                   "C-terminal amide"
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39
                                                         /note= "Thioproline"
                     "Thioproline"
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aae08376 ; Exendin agonist peptide #23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 22; Page; 161pp; English.
                                                                                                                                                                                                                       09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                             Kolterman OG, Young AA;
                     note=
                                                                                                     /note=
                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
                                                                                                                                           WO200151078-A1
Modified-site
                                        Modified-site
                                                                                Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08376;
  LILLLIAXSXXXXXXXXXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                              /note= "C-terminal amide"
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HGEGTFTSDLSKQMEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note= "Thioproline"
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                                                                                                           Location/Qualifiers
39
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aae08375 ; Exendin agonist peptide #22.
(from "seq4ags.pep")
TOIG of: aae08375 check: 706 from: 1
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                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                           Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
                                                                                                                                                                                                      WO200151078-A1
                                                                                                                        Key
Modified-site
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Modified-site
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to: 39

AAE08375;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuvetic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Check: 458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Type: P
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Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXXS
/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
aae08377 ; Exendin agonist peptide #24.
(from "seq4ags.pep")
TOIG of: aae08377 check: 706 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08377 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                   Example 23; Page; 161pp; English.
                                                                                      09-JAN-2001; 2001WO-US000719
                                                                                                                    10-JAN-2000; 2000US-0175365P
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                                                                                                                                                  AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                Young AA;
                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 39 AA;
                             WO200151078-A1
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                                                           19-JUL-2001
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/note= "C-terminal amide"

WO200151078-A1

note= "Homoproline"

Modified-site Modified-site Modified-site

note= "Homoproline"

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Check: 706
                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08377 Length: 39 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aae08378 ; Exendin agonist peptide #25.
[from 'seq4ags.pep"]
TOIG of: aae08378 check: 458 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08378 standard; peptide; 39 AA
                                                                                                                                                                                                                              Example 24; Page; 161pp; English.
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                                                                   10-JAN-2000; 2000US-0175365P
                                       09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #25.
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                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                            Young AA;
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                                                                                                                                                       WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200151078-A1
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                                                                                                                             Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-NOV-2001
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            19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08379 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'note= "Homoproline"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (from "seq4ags.pep")
TOIG of: aae08380 check: 267 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
                                                                                                                                                         Example 26; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08380 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-NOV-2001 (first entry)
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                      Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman OG, Young AA;
                                                         WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
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Modified-site
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                    Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08380;
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  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide any agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08378 Length: 39 February 4, 2005 13:19 Type: P Check: 458 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               aae08379 ; Exendin agonist peptide #26.
(from "seg4ags.pep")
TOIG of: aae08379 check: 267 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08379 standard; peptide; 39 AA
                                                                                                                                                                                                              Example 25; Page; 161pp; English
10-JAN-2000; 2000US-0175365P
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                                      (AMYL-) AMYLIN PHARM INC.
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                                                                           Young AA;
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                                                                                                                  WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200151078-A1
                                                                         Kolterman OG,
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                                                                                                                                                         Use of
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Type: P Check: 267

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                        AAE08380 Length: 39 February 4, 2005 13:19 Type: P Check: 267 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                               aae08381 ; Exendin agonist peptide #28.
(from "seq4ags.pep")
TOIG of: aae08381 check: 7440 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08381 standard; peptide; 39 AA
                                                                           Example 27; Page; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide #28
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WPI; 2001-514422/56
                                                                                                                                                                                                                                                                             Sequence 39 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptides sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                            Check: 7440
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                            Type: P
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGASSGAAAAS
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aae08382 ; Exendin agonist peptide #29.
(from "seq4ags.pep")
TOIG of: aae08382 check: 7905 from:
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                                 Example 28; Page; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #29
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                                                                                                                                                                                                                                               Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Use of exendin and exendin agonist compounds for modulating triglyceride
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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They expepses the secretion of glucagon. Exendin and its agonists have a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   agonist; antilipemic; cardiant; triglyceride; inotropic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                    Check: 7905
                                                                                                                                                                                                  AAE08382 Length: 39 February 4, 2005 13:19 Type: P
Found using '8eq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                   HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAAAAS
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                                                                                                                                                                                                                                                                                                                                                  aae08383 ; Exendin agonist peptide #30. (from "seq4ags.pep")
TOIG of: aae08383 check: 7001 from:
                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08383 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 30; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 39
/note=
                                                                                                                                                                                                                                                                                                                                  match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                                     Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08383
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                                                                                                                                                                                                                                                                                                                                                                                                                    CCCCXXX414X8X6X8X6X6X6X1111111111114X8X8X6X6X6X6X6X6X6X6X
     888888888888888
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is an agonist of exendin, exendin-4 amide (residues 128) from Heloderma suspectum
significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying poseprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                       match found in sequence:
aae08384 ; Heloderma suspectum exendin-4 amide peptide (residues 1-28).
                                                                                                                                                              Check: 7001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum exendin-4 amide peptide (residues 1-28).
                                                                                                                                                              Type: P
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                                                                                                                                                                                                                          AAE08383 Length: 39 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aae08384 check: 700 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                              AAE08384 standard; peptide; 28 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma suspectum
                                                                                                                            Sequence 39 AA;
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Modified-site
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AAE08384 Length: 28 February 4, 2005 13:19 Type: P Check: 700 Found using 'seq4' (mohamed337.key)

AAE08385

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and divetic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present page and present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                               /note= "C-terminal amide"
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                                                                                                                                                                                                         Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aae08387 ; Exendin agonist peptide #32.
(from "seq4ags.pep")
TOG of: aae08387 check: 166 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide #32.
                                                                        Exendin agonist peptide #31.
                                    (first entry)
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                                                                                                                                                                                                                                                                                       WO200151078-A1
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                                                                                                                                                                                                                               Modified-site
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                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08387;
AAE08386;
13X8X4X6X6X6X6X6X6
                                                                                            match found in sequence:
aae08385 ; Heloderma suspectum modified exendin-4 amide peptide (residues 1-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                           Heloderma suspectum modified exendin-4 amide peptide (residues 1-28) #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is Heloderma suspectum modified exendin-4 amide.
                                                                                                                                                                                                                                                                                                                                             Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               residues 1-28) which is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28
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28
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(from "seg4ags.pep")
TOIG of: aae08386 check: 249 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 13; Page 58; 161pp; English
                                                                                                                                                                                             AAE08385 standard; peptide; 28 AA
    HGEGTFTSDLSKQMEEEAVRLFIEWLKN 28
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                                                                                                                                                                                                                                                                                                                                                                                                            Heloderma suspectum.
                                                                                                                                    from "seq4ags.pep")
OIG of: aae08385 c
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Modified-site
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Type: P Check: 249

Location/Qualifiers 28

Key Modified-site

AAE08386 standard; peptide; 28 AA

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                           Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increpte and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; duretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                        AAE08388 Length: 28 February 4, 2005 13:19 Type: P Check: 231 Found using 'seq4' (mohamed337.key)
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                                                                                          Example 37; Page 60; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                      L match found in sequence:
aae08389; Exendin agonist peptide #34.
(from "seq4ags.pep")
TOIG of: aae08389 check: 117 from: 1
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                                                                                                                                                                                                                                                                                                                                                        HGEGTATSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-514422/56.
                                                                                                                                                                                                                                                              Sequence 28 AA;
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 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                       trigiyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                             patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq4' (mohamed337.key)
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 /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
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aae08388 ; Exendin agonist peptide #33
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TOIG of: aae08388 check: 231
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Modified-site
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Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                Key
Modified-site
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                                                                                                                                                        01-NOV-2001
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                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                           AAE08391;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08392;
                                                                                              8×4×4×8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                              Check: 117
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                                                                                              Type: P
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                                                                                            28 February 4, 2005 13:19 (mohamed337.key)
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to
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28
                                                                                                                                                                                                                                                                 from: 1
                                                                                                                                                                                                                                 aae08390 ; Exendin agonist peptide #35.
(from "seq4ags.pep")
TOIG of: aae08390 check: 151 from: 1
                                                                                                                                                                                                                                                                                                AAE08390 standard; peptide; 28 AA
                                                                                                                                        HGEGTFTADLSKQLEEEAVRLFIEFLKN
28
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                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #35
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                                                                                                                                                                                                                   1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
                                                                Sequence 28 AA;
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                                                                                           AAE08389 Length:
Found using 'seq4'
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                     aae08391 ; Exendin agonist peptide #36.
(from "seq4ags.pep")
TOIG of: aae08391 check: 63 from: 1
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(from "seq4ags.pep")
TOIG of: aae08392 check: 141 from:
                                                                                                                                               AAE08391 standard; peptide; 28
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                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #36
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match found in sequence:
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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und using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                  Example 42; Page 62; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aae08394; Exemdin agonist peptide #39. (from "seq4ags.pep")
TOIG of: aae08394 check: 107 from: 1
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                 09-JAN-2001; 2001WO-US000719.
                                                     10-JAN-2000; 2000US-0175365P
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                                                                                           (AMYL-) AMYLIN PHARM INC.
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They
             gonist; antilipemic; cardiant; triglyceride; inotropic;
coronary heart disease; dyslipidaemia.
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diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq4' (mohamed337.key)
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aae08393 ; Exendin agonist peptide #38.
(from "seq4ags.pep")
TOIG of: aae08333 check: 53 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-514422/56.
                 agonist;
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Modified-site
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Modified-site
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                                   diuretic;
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                 Exendin
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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
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                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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/note= "C-terminal amide"
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              Example 43; Page 63; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                      aae08395; Exemdin agonist peptide #40.
(from "seq4ags.pep")
TOIG of: aae08395 check: 201 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08395 standard; peptide; 28 AA
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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28 February 4, 2005 13:19 (mohamed337.key)
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to:
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TOIG of: aae08397 check: 193 from: 1
                                                                                                                             match found in sequence:
aae08396 ; Exendin agonist peptide #41
                                                                                                                                                                                                          AAE08396 standard; peptide; 28 AA
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                                                              HGEGTFTSDLSKQLAEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                       Exendin agonist peptide #41
                                                                                                                                                                                                                                                                       01-NOV-2001 (first entry)
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TOIG of: aae08396 c
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   AAE08395 Length:
Found using 'seq4'
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                       /note= "C-terminal amide"
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28
              Location/Qualifiers
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aae08399; Exemain agonist peptide #44.
[firom "seq4ags.pep"]
TOIG of: aae08339 check: 9921 from:
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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diuretic; coronary heart disease; dyslipidaemia.
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/note= "C-terminal amide"
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TOIG of: aae08398 check: 9862 from:
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                AAE08397 standard; peptide; 28
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                                                                                                                                     Exendin agonist peptide #42.
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                                                                                              (first entry)
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Modified-site
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Synthetic.

AAE08398

SXXXXXXXXXXXXXXXX

19-JUL-2001

Synthetic

AAE08397;

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exendin agonist. Exendins have inotropic and diuretic effects. They
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                                                                             Sequence 28 AA;
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Modified-Bite
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                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an
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28
                                                                                                    Example 48; Page 66; 161pp; English
                                                                                                                                                                                                                                                                                                                                                  aae08400 ; Exendin agonist peptide #45. (from "seq4ags.pep")
TOIG of: aae08400 check: 30 from: 1
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HGEGTFTSDLSKQLEEEAVALFIEFLKN
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  (AMYL-) AMYLIN PHARM INC
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                        Young AA;
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                                                                                                                                                                                                                             Sequence 28 AA;
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                        Kolterman OG,
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. present peptide sequence is an agonist of exendin
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aae08401 ; Exendin agonist peptide #46
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HGEGTFTSDLSKQLEEEAVRAFIEFLKN
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TOIG of: aae08401 c
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels.
                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                    09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P.
                                            Exendin agonist peptide #48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #49
      01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq4ags.pep")
TOIG of: aae08404 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
                                                                                                                                                                                                                                                        WO200151078-A1
                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman OG,
                                                                                                                                                                                                                                                                                              19-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08404;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 match
        XZZZZZZZZZZZZZZZZZZZZZZZZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08402 Length: 28 February 4, 2005 13:19 Type: P Check: 136 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 28
                                                                                                                                          to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
28
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 51; Page 68; 161pp; English
                                                                                                                                          from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aae08403; Exendin agonist peptide #48.
(from "seq4ags.pep")
TOIG of: aae08403 check: 9975 from:
                                                                              match found in sequence:
aae08462; Exendin agonist peptide #47
(from "seq4ags.pep")
TOIG of: aae08402 check: 136 from:
                                                                                                                                                                            AAE08402 standard; peptide; 28 AA
HGEGTFTSDLSKQLEEEAVRLFIAFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKOLEEEAVRLFIEALKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                Exendin agonist peptide #47
                                                                                                                                                                                                                                                        01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman OG,
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Synthetic

AAE08402;

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site

AAE08403 standard; peptide; 28 AA

AAE08403

SXXX

modulating triglyceride

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
           Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial trigiveride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood aerum trigilyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial trigilyceride levels. The
                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agoniet, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                     Type: P Check: 9897
                                                                                                                                                                                                       present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 38
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                                                                                                                                                                                                                                                                  AAE08405 Length: 28 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                           Example 54; Page 69; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                               1 match found in sequence:
aae08406 ; Exendin agonist peptide #51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08406 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKQLEEBAVRLFIEFLKA
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA;
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                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq4ags.pep"
TOIG of: aae08406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08406;
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08404 Length: 28 February 4, 2005 13:19 Type: P Check: 9991 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            check: 9897 from: 1
                                                                                                                                                                                                                                                                        Example 53, Page 69; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aae08405 ; Exendin agonist peptide #50.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08405 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDLSKQLEEEAVRLFIEFLAN
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                                                             09-JAN-2001; 2001WO-US000719
                                                                                           10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                           (AMYL-) AMYLIN PHARM INC
                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA;
                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200151078-A1
WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOIG of: aae08405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
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                                                                                                                                                          Kolterman OG,
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                             19-JUL-2001
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to: 37

SXS

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. It present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                              Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
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                                          check: 3293 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check: 2854 from: 1
                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
aae08409 ; Exendin agonist peptide #54.
  aae08408 ; Exendin agonist peptide #53.
                                                                                AAE08408 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08409 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                        Exendin agonist peptide #53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide #54
                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-514422/56.
                     (from "seq4ags.pep")
TOIG of: aae08408 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aae08409 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200151078-A1
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Modified-site
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                                                                                                                                                               01-NOV-2001
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                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                         AAE08408;
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                                                                                   #X#X#X#X#
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They are secondity and for modifying postprandial triglyceride levels. They are secondity and for modifying postprandial triglyceride levels.
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                                                                                   Check: 6333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Type: P Check: 5894
                                                                                Type: P
present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                          to: 38
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                              2005 13:19
                                                                                                                                                             HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP
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                                                                                                                                                                                                                                                                                                          from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                               aae08407 ; Exendin agonist peptide #52.
(from "seq4ags.pep")
TOIG of: aae08407 check: 5894 from:
                                                                                                                                                                                                                                                                                                                                                  AAE08407 standard; peptide; 38 AA
                                                                              38 February 4, (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #52
                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                            1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                                        Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 38 AA;
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                                                                              AAE08406 Length:
Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-2001
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Synthetic.

AAE08407;

The

Type: P Check: 3293

Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;

1 match found in sequence:

37

t0;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                            exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Dresent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                            Length: 36 February 4, 2005 13:19
; seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSGGAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from: 1
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                                                                                                                                                                        Example 59; Page 72; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08411 standard; peptide; 36 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aae08411; Exendin agonist peptide #56
[from "seq4ags.pep"]
TOIG of: aae08411 check: 9894 from:
             10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                        (AMYL-) AMYLIN PHARM INC.
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                                                                      Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56
                                                                                                 WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                    Sequence 36 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                            Found using 'seq4'
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Modified-site
                                                                     Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08411;
                                                                                                                                              levels,
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                                                                                                                                                                                                                                                                                                                                                             AAE08410
of exendin and exendin agonist compounds for modulating triglyceridesls, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Type: P Check: 2854
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08409 Length: 37 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
                                                                                    /note= "C-terminal amide"
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/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                             Example 58; Page 72; 161pp; English.
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                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
   aee08410 ; Exendin agonist peptide #55.
   (from "seq4ags.pep")
   TOIG of: aae08410 check: 333 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08410 standard; peptide; 36 AA
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                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                             Young AA;
                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 37 AA;
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Modified-site
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                                                                                                                WO200151078-A1
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                                                                     Modified-site
                                                                                                                                                                                                                                                             Kolterman OG,
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diuretic;
                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08410;
                                                                                                                                                                                                                                                                                                                                     levels,
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Check: 333

Type: P

Fri Feb

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exending have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                         Check: 9894
                                                                                                                                                                                                         Type: P
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                                                                                                                                                                                                       AAE08411 Length: 36 February 4, 2005 13:19
Found-using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                            HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
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35
                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aae08412 ; Exendin agonist peptide #57
                                                                                                                                                                                                                                                                                                                                                                                                                                     35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #57.
                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08412 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                   check: 7453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                   (from "seq4ags.pep")
TOIG of: aae08412 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 35 AA;
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AAE08412 Length: 35 February 4, 2005 13:19 Type: P Check: 7453

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modulating triglyceride
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                                                                                                                                                                                                                                                                                                                Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
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                                                                                                                                                         to: 35
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                              HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
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                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                      aae08413; Exendin agonist peptide #58. (from "seq4ags.pep")
TOIG of: aae08413 check: 7014 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aae08414 ; Exendin agonist peptide #59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08414 standard; peptide; 34 AA.
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                      AAE08413 standard; peptide;
                                                                                                                                                                                                                                                                                    Exendin agonist peptide #58
                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman OG, Young AA;
                                                                                                           1 match found in sequence:
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TOIG of: aae08414
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Found using 'seq4'
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
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AAE08414;

Synthetic

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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  34
/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                    Example 64; Page 75; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
    aae08416 ; Exendin agonist peptide #61.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08416 standard; peptide; 33 AA.
                                                                                                                                       09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
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TOIG of: aae08416 c
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                                                          WO200151078-A1
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08416;
  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipideamia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                 Location/Qualifiers
34
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(from "seq4ags.pep")
TOIG of: aae08415 check: 4739 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08415 standard; peptide; 34 AA
                                                                                                                                                                                                                                                                                                                                                                                                       09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P
                                                                                                  Exendin agonist peptide #59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #60.
                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                     WO200151078-A1
                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman OG,
                                                          01-NOV-2001
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Synthetic

#X8X#X#X#X

Key

AAE08415;

Type: P Check: 4739

seq4_ags.res

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Synthetic.
                                                                                                                                                                                                                                                      AAE08418;
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                                                                                                                                                                        match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of exendin and exendin agonist compounds for modulating triglyceride is, and treating heart disease and dyslipidemia.
                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                              AAE08416 Length: 33 February 4, 2005 13:19 Type: P Check: 2764 Found using 'seq4' (mohamed337.key)
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                                                                              Example 65; Page 76; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
33
                                                                                                                                                                                                                                                                           HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSS
                                                                                                                                                                                                                                                                                                                    match found in sequence:
aae08417 ; Exendin agonist peptide #62.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                               AAE08417 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #62
                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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 Young AA;
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                       WPI; 2001-514422/56
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                                                                                                                                                                                                         Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
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Kolterman OG,
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, duretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                              AAE08417 Length: 33 February 4, 2005 13:19 Type: P Check: 2325 Found using 'seq4' (mohamed337.key)
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                            |-----|
| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aae08418 check: 25 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 agonist peptide #63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08418 standard; peptide; 32 AA
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18 ; Exendin agonis
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                                                                                                                                                                         Sequence 33 AA;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                  Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08420 Length: 31 February 4, 2005 13:19 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                          /note= "C-terminal amide"
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                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
aae08421 ; Exendin agonist peptide #66.
[from "seq4ags.pep"]
TOIG of: aae08421 check: 6930 from:
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP
                                                                                                                                                                                                                                                                                         09-JAN-2001; 2001WO-US000719.
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Exendin agonist peptide #65
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 31 AA;
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Modified-site
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Modified-site
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                                                                                                Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08419 Length: 32 February 4, 2005 13:19 Type: P Check: 9586 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use of exendin and exendin agonist compounds for mod
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 31
                                                                                                    to: 32
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                                                                                                    from: 1
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aae08420 ; Exendin agonist peptide #65.
(from "seq4ags.pep")
TOIG of: aae08420 check: 7369 from:
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                                                              aae08419 ; Exendin agonist peptide #64.
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                                                                                                                                            AAE08419 standard; peptide; 32 AA
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                                                                                                                                                                                                                                                           Exendin agonist peptide #64.
                                                                                                      check: 9586
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                                              match found in sequence:
                                                                                    (from "seq4ags.pep")
TOIG of: aae08419
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Modified-site
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SXXXEX

Check: 4450

2005 13:19 Type: P

to: 29

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
levels, and treating heart disease and dyslipidemia.
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                                           Example 71; Page 79; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                agonist peptide #68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08423 standard; peptide; 29 AA
                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
                                                                                                                                                                                                                                                                                                                               AAE08422 Length: 30 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-514422/56.
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TOIG of: aae08423 c
                                                                                                                                                                                                                                                                                      Sequence 30 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Key
Modified-site
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                                                                                                                                                                                                                                                                                                                           AAE08422
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  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of exendin and exendin agonist compounds for modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08421 Length: 31 February 4, 2005 13:19 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 4450 from: 1
                                                                                                                                                                                                                                                                                                                               Example 70; Page 79; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aae08422 ; Exendin agonist peptide #67. (from "seq4ags.pep")
TOIG of: aae08422 check: 4450 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
                                           09-JAN-2001; 2001WO-US000719
                                                                                      10-JAN-2000; 2000US-0175365P
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                                                                                                                                 (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              found in sequence:
                                                                                                                                                                                                                WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 31 AA;
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Modified-site
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                                                                                                                                                                            Kolterman OG,
  19-JUL-2001
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to: 38

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TOIG of: aae08425 check: 7469 from: 1
                               Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                            AAE08423 Length: 29 February 4, 2005 13:19 Type: P Check: 2759 Found using 'seq4' (mohamed337.key)
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to
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                                                                                                                                                  . match found in sequence:
aae08424 ; Exendin agonist peptide #69.
(from "seq4ags.pep")
TOIG of: aae08424 check: 2320 from:
                                                                                                                                                                                                                            AAE08424 standard; peptide; 29 AA
                                                                             29 February 4, (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #69
                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
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Sequence 29 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
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1 match found in sequence:
aae08425 ; Exendin agonist peptide #70.
(from "seq4ags.pep")

HGEGTFTSDLSKQLEEEAVRLFIEFLKNG

Found using 'seq4'

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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The peptide sequence is an agonist of exendin
                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                         note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              note= "Thioproline"
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(from "seq4ags.pep")
TOIG of: aae08426 check: 7221 from:
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AAE08425 standard; peptide; 38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                             Exendin agonist peptide #70
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                                                                                                     01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              note=
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                                                     AAE08425;
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Synthetic

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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31
/note= "N-Methyl-alanine"
                                                         /note= "C-terminal amide"
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGASSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 76; Page 82; 161pp; English.
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aee08428; Exendin agonist peptide #73.
(from "seq4ags.pep")
TOIG of: aee08428 check: 1733 from:
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                                                                                                                                                                               09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                                                                   Young
                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 37 AA;
                                                                                                 WO200151078-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The sequence is an agonist of exendin
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                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                              /note= "Thioproline; C-terminal amide"
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX
                                                                                                                                                                                                  note= "Thioproline"
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                                                                                                                                                                                                                                         'note= "Thioproline'
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aae08427 ; Exendin agonist peptide #72.
[from "seq4ags.pep"]
TOIG of: aae08427 check: 2828 from:
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                    Exendin agonist peptide #70.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                       WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG,
                                                                                                                                                                               Modified-site
                                                                                                                                                                                                                  Modified-site
                                                                                                                                                                                                                                                       Modified-site
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levels,

Use of

Synthetic

Key

AAE08427;

1 match found

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1 match
 exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia,
                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administaring exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exesent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                               AAE08428 Length: 37 February 4, 2005 13:19 Type: P Check: 1733 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "Homoproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 37
                                                                                                                                                                                                                                                                                                                                                                        |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGASSGAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'note= "Homoproline"
                                                                                                                                                                Example 77; Page 83; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                               1 match found in sequence:
aee08429; Exendin agonist peptide #74.
(from "seq48gs.pep")
TOIG of: aae08429 check: 4125 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              37 AA
                        10-JAN-2000; 2000US-0175365P
09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08429 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                (AMYL-) AMYLIN PHARM INC.
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                                                                         Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                   WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                        Sequence 37 AA;
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                                                                          Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman OG,
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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                                                                                                                                          levels,
                                                                                                                           Use of
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                         Type: P Check: 4125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           to: 36
                                                                                                                                                                                                                                                                                                                       AAE08429 Length: 37 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
                                                             Example 78; Page 84; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 79; Page 84; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aae08430 ; Exendin agonist peptide #75
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08430 standard; peptide; 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                  Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq4ags.pep
TOIG of: aae08430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200151078-A1
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Modified-site
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AAE08430

888888

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08432 Length: 30 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                        <del>ب</del>
                                                                (from "seq4ags.pep")
TOIG of: aae08432 check: 4886 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
                         ound in sequence:
; Exendin agonist peptide #77
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                                                                                                                              AAE08432 standard; peptide; 30 AA
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HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08433 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                     Exendin agonist peptide #77
                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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TOIG of: aae08433 c
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Modified-site
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                         found in
                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                       AAE08432;
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                                             aae08432
                       match
                                                                                                                              8X6CCCCCCXXXXIXBXBXBXBXBXBXBXBXBXBXXBXBXBXXBXBX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SXXXXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels present peptide sequence is an agonist of exendin
concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                          Length: 36 February 4, 2005 13:19 Type: P Check: 869 g 'seq4' (mohamed337.key)
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Found using 'seg4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                            to: 35
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                                                                                                                                                                                                            HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                 aae08431 ; Exendin agonist peptide #76.
(from "seq4ags.pep")
TOIG of: aae08431 check: 7463 from:
                                                                                                                                                                                                                                                                                                                                                                                                  AAE08431 standard; peptide; 35 AA
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                                                                                                                                                                                                                                                                                         1 match found in sequence:
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                                                                                     Sequence 36 AA;
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                                                                                                                                                  Found using 'seq4'
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Modified-site
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Synthetic

AAE08431;

The

Type: P Check: 4886

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist, antilipemic, cardiant, triglyceride, inotropic;
diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length: 28 February 4, 2005 13:19 Type: P .Check: 693
g 'seq4' (mohamed337.key)
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to
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aae08435 ; Exendin agonist peptide #80.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08435 standard; peptide; 28 AA
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                                                     09-JAN-2001; 2001WO-US000719.
                                                                                         10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                    Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                          WPI; 2001-514422/56.
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TOIG of: aae08435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA
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                                                                                                                                                                      Kolterman OG,
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               19-JUL-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                  'note= "Naphthylalanine"
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28
                                                                                                           Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         . match found in sequence:
aae08434 ; Exendin agonist peptide #79.
(from "seq4ags.pep")
TOIG of: aae08434 check: 693 from: 1
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HGEGTXTSDLSKQLEEEAVRLFIEFLKN
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AAE08434;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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Found using 'seq4' (mohamed337.key)
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/note= "C-terminal amide"
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                                                      Example 84; Page 87; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 649 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                  aae08436 ; Exemdin agonist peptide #81.
(from "seq4ags.pep")
TOIG of: aae08436 check: 649 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08436 standard; peptide; 28 AA.
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HGEGTFSTDLSKQMEEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
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                                                                                                                                                                                                                                                         Sequence 28 AA;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                          AAE08436 Length: 28 February 4, 2005 13:19 Type: P Check: 649 ound using 'seq4' (mohamed337.key)
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                            from: 1
                                                                                                                                                            1 match found in sequence:
aae08437 ; Exendin agonist peptide #82.
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                                                                                                   HGEGTFTSELSKOMAEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #82
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                                                                                                                                                                                                            check: 381
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            Sequence 28 AA;
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                                                          Found using 'seq4'
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                              Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                    "Tertiary-butylglycine"
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                                                                                                                                                                                                       "C-terminal amide"
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aae08440 ; Exendin agonist peptide #85.
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Exendin agonist peptide #84.
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TOIG of: aae08440
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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                            Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
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/note= "C-terminal amide"
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aae08439; Exendin agonist peptide #84.
(from "seq4ags.pep")
TOIG of: aae08439 check: 1045 from:
. match found in sequence:
aae08438 ; Exendin agonist peptide #83.
(from "seq4ags.pep")
TOIG of: aae08438 check: 657 from: 1
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                                                                                            AAE08438 standard; peptide; 28 AA.
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                                                                                                                                                                                                         Exendin agonist peptide #83
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exendin and exendin agonist compounds for modulating triglyceride and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The
                                                                                                                                    trigiyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                     discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                            Type: P Check: 2215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of exendin and exendin agonist compounds for moc
levels, and treating heart disease and dyslipidemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                              AAE08441 Length: 33 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
29
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                                                                              Example 90; Page 91; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFTSDASKOLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
aae08442; Exendin agonist peptide #87.
(from "seq4ags.pep")
TOIG of: aae08442 check: 2649 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08442 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                            Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Modified-site
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                                                                                                                       patent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08442;
                                        levels,
                   ğ
X44X8X00000000X8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They resent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Check: 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08440 Length: 28 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     33
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                   Example 89; Page 90; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aae08441 ; Exendin agonist peptide #86.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08441 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |-----|
HGEGTFTSDLSKQLEBEAVRLFIDFLXN
1
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                                                                              09-JAN-2001; 2001WO-US000719
                                                                                                                       10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   check: 2215
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                                                                                                                                                               (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA;
                                                                                                                                                                                                        Young AA;
                                                                                                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (from "seq4ags.pep"]
TOIG of: aae08441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200151078-A1
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Modified-site
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                                                                                                                                                                                                      Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-NOV-2001
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                                      19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08441;
                                                                                                                                                                                                                                                                                                                 levels,
                                                                                                                                                                                                                                                                                         Use of
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SXS

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                              to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2005 13:19
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 96; Page 95; 161pp; English
                                                                                                                              from: 1
                                                           . match found in sequence:
aae08445 ; Exendin agonist peptide #90.
(from "seq4ags.pep")
TOIG of: aae08445 check: 249 from: 1
                                                                                                                                                                        AAE08445 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aae08449 ; Exendin agonist peptide #94.
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08449 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGAGTFTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08445 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #90
                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          check: 688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq4ags.pep")
TOIG of: aae08449 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                           01-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                   AAE08445;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08449;
                                                                                                                                                                        modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial trigityceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exendin the present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                    Check: 2649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P Check: 4015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "Homoproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin and exendin agonist compounds for mod and treating heart disease and dyslipidemia
                                                                                    Type: P
  present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                         to: 37
                                                                                    AAE08442 Length: 29 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08443 Length: 37 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 92; Page 92; 161pp; English
                                                                                                                                                                                                                                                      1 match found in sequence:
aae08443; Exendin agonist peptide #88
(from 'seq4ags.pep')
TOIG Of: aae08443 check: 4015 from:
                                                                                                                                                                                                                                                                                                                                                                 AAE08443 standard; peptide; 37 AA
                                                                                                                                                    HGEGTFTSDASKQMEEEAVRLFIEWLKNG
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #88
                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 37 AA;
                                            Sequence 29 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200151078-A1
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Synthetic.

AAE08443;

Check: 249

Type: P

levels,

Use of

80XCCCCCCCCCX8X41X8X1X8X8X6X8X6X1111111111X8X8X6X4X8X

01-NOV-2001 (first entry)

HGEGTFTSDASKOMEEEAVRLFIEWLKNGGXSSGAXX

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                            Example 103; Page 99; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 5882 from: 1
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aae08512; Exendin agonist peptide #157.
(from "seq4ags.pep")
TOIG of: aae08512 check: 5882 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08512 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDASKOMEEEAVRLFIEWLKN
                                                      09-JAN-2001; 2001WO-US000719
                                                                                           10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #157.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719.
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                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                          Young AA;
                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08452 Length:
Found using 'seq4'
                                                                                                                                                                        Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-NOV-2001
                  19-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08512;
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08449 Length: 28 February 4, 2005 13:19 Type: P Check: 688 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to: 28
                                                                                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 100; Page 97; 161pp; English.
                                                                                                                                        Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
   aae08452 ; Exendin agonist peptide #97.
   (from "seq4ags.pep")
   TOIG of: aae08452 check: 590 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08452 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGAGTFTSDLSKOMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                          09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                10-JAN-2000; 2000US-0175365P
                Exendin agonist peptide #94.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                             WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Modified-site
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                                                                                                                                                                                                                                                                   19-JUL-2001
                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08452;
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BXIIIXSXMXXBXIXXXX

The

seq4_ags.res

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They secretion is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                           Check: 5882
                                                                                                                                                                                                                                                                                          1512 Length: 38 February 4, 2005 13:19 Type: Pusing 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                               HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
                                                      163; Page 134; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 168; Page 137; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aae08517 ; Exendin agonist peptide #162.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08517 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 7002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq4ags.pep")
TOIG of: aae08517 c
                                                                                                                                                                                                                                                          Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                           AAE08512
                                                                                                                                                                                                                                                                                                                Found
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08521 Length: 32 February 4, 2005 13:19 Type: P Check: 9574 ound using 'eeq4' (mohamed337.key)
                                            Type: P Check: 7002
                                                                                                                                                                                                                   to: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                            AAE08517 Length: 35 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 172; Page 140; 161pp; English.
                                                                                                       HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                                     from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
32
                                                                                                                                                                        natch found in sequence:
aae08521 ; Exendin agonist peptide #166.
(from "seq4ags.pep")
TOIG of: aae08521 check: 9574 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                    32 AA.
                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #166.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                    AAE08521 standard; peptide;
                                                                                                                                                                                                                                                                                                                  01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
              Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 32 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Found using 'seq4'
                                                           Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                     AAE08521;
                                                                                                                                                                        1 match
                                                                                                                                                                                                                                                       ž Š
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. match found in sequence: aae08525 ; Exendin agonist peptide #170.

1 match found

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The result of exendin the present peptide sequence is an agonist of exendin
                                                                                Exendin agonist, antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08529 Length: 35 February 4, 2005 13:19 Type: P Check: 7441 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 180; Page 145; 161pp; English.
                                                                                                                                                                                        Location/Qualifiers
                                        Exendin agonist peptide #174.
                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                           10-JAN-2000; 2000US-0175365P.
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aae14425 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 35 AA;
                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                                                                                                                                               WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG,
01-NOV-2001
                                                                                                                                                                                                                                                                                                                          19-JUL-2001
                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE14425;
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08525 Length: 38 February 4, 2005 13:19 Type: P Check: 7457 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Thioproline; C-terminal amide"
                      to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGAGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 176; Page 142; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                         'note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'note= "Thioproline"
                      from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                 note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                              AAE08525 standard; peptide; 38 AA
                                                                                                                                                                                            Exendin agonist peptide #170.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-JAN-2000; 2000US-0175365P
                    check: 7457
                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-514422/56.
(from "seq4ags.pep")
TOIG of: aae08525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                   Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modified-site
                                                                                                                                                    01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-JUL-2001
                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                         AAE08525
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Acute coronary syndrome, ACS; Q-wave myocardial infarction; Q-wave MI; angina; non-Q-wave cardiac necrosis; ischaemic heart disease; congestive heart failure; heart murmur; troponin I; troponin I; creatine kinase myocardia! isconzyme; CK-MB; ST-segment; chest pain; nausea; palpitation; dizziness; angioplasty; pulmonary oedema; peripheral oedema; extrasystole; arterial fibrillation; arthythmia; diabetes; hypertension; hypercholesterolaemia; hyperlipidaemia; obesity; smoking; impaired glucose tolerance; blood glucose; thrombolytic therapy; cardiac distress; glucagon-like peptide-1; GLP-1 homolog; Gila monster;
                                                                                                                                                                               39
                                                                                                                                                                                 ;;
|-----|
HGAGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGA
                                                                                                          match found in sequence:
aae14425 ; Gila monster exendin 3 peptide.
                                                                                                                                                                               from: 1
                                                                                                                                                                                                                            AAE14425 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                 Gila monster exendin 3 peptide.
                                                                                                                                                                               check: 9591
                                                                                                                                                                                                                                                                                                                    26-MAR-2002 (first entry)
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to: 35

check: 7441 from: 1

AAE08529 standard; peptide; 35 AA

AAE08529

SXXX

1 match found in sequence:
aee08529; Exendin agonist peptide #174.
(from "seq4aga.pep")
TOIG of: aae08529 check: 7441 from: 1

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Location/Qualifiers
39
/note= "C-terminal amide"
                                            19-MAY-2000; 2000US-0205239P.
                                      18-MAY-2001; 2001WO-US015996
                                                   (BION-) BIONEBRASKA INC
                                                         Coolidge TR, Ehlers M;
                                                                WPI; 2002-089892/12.
      Heloderma suspectum.
                         WO200189554-A2
                Modified-site
                                29-NOV-2001
exendin 3.
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New method of treating patients suffering from acute coronary syndrome, but not suffering from Q wave myocardial infarction involves the use of glucagon-like peptide-1 derivatives.

Disclosure; Page 15; 38pp; English.

The invention relates to a novel method of treating patients suffering from acute coronary syndrome (ACS) and not from C-wave myocardial infarction (G-wave MI) that involves administering a glucagon-like negation (G-wave MI) that involves administering a glucagon-like peptide-1 (GLP-1) molecule to the patients. The method is also useful for treating patients method is also useful for cardiac necrosis, ischaemic heart disease or at a risk of developing cardiac necrosis, ischaemic heart disease, cardiac abnormalities including congestive heart failure, worsening heart murmur (due to mitral regurgitation and cardiac conduction disturbances); for treating patients who have a blood troponin of 1 level of less than 0.4 ng/ml and blood troponin T level of less than 0.4 ng/ml and blood troponin T level of less than 0.4 ng/ml and blood troponin T level of less than 0.4 ng/ml and blood troponin T level of sement elevation, do not exhibit a pathological Q-wave, exhibit and ST-segment elevation, do not exhibit a pathological Q-wave, exhibit can or symptoms such as chest pain following minimal exertion (that is papitation and dizziness and have not suffered from a Q-wave myocardial infarction prior to the onset of the symptoms, and having normal ECG. The cappitation prior to the onset of the symptoms, and having normal ECG. who in gymptoms of pulmonary and peripheral oedema, atrial or choring from diabetee, hypertension, whereholesterolaemia, obesity and smoking. The administration of GLP-1 molecules is that high doses can be used without adverse effects, and the action of the molecules are can be used without adverse effects, as the action of the molecules are can be used without adverse effects, as the action of the molecule increases the time during which thrombolytic therapy lecomes effective following the first symptom of cardiac distress. The present sequence is deliam monster exendin 3 peptide which is honoring to be a second of the capparation of the capparation of the capparation of the capparation of the capparati mammalian GLP-1 peptide

Sequence 39 AA;

AAE14425 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence:

to: 39 ; Gila monster exendin 4 peptide from: 1 check: 9570 (from "seq4ags.per TOIG of: aae14427

39 AA. AAE14427 standard; peptide;

AAE14427;

26-MAR-2002 (first entry)

Gila monster exendin 4 peptide.

Acute coronary syndrome; ACS; Q-wave myocardial infarction; Q-wave MI; angina; non-Q-wave cardiac necrosis; ischaemic heart disease; congestive heart failure; heart murmur; troponin I; troponin T; creatine wrocardial isoenzyme; CK-MB; ST-segment; chest pain; nausea; palpitation; dizziness; angioplasty; pulmonary oedema; peripheral oedema; extrasystole; arterial fibrillation; arrhythmia; diabetes; hypertension; hypercholesterolaemia; hyperlipidaemia; obesity; cancing; impaired glucose tolerance; blood glucose; thrombolytic therapy; cardiac distress; glucagon-like peptide-1; GLP-1 homolog; Gila monster; exendin 4.

Heloderma suspectum.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO200189554-A2

29-NOV-2001.

18-MAY-2001; 2001WO-US015996.

19-MAY-2000; 2000US-0205239P

(BION-) BIONEBRASKA INC.

Ehlers M; Coolidge TR,

WPI; 2002-089892/12.

New method of treating patients suffering from acute coronary syndrome, but not suffering from Q-wave myocardial infarction involves the use of glucagon-like peptide-1 derivatives.

Disclosure; Page 15; 38pp; English.

The invention relates to a novel method of treating patients suffering from acute coronary syndrome (ACS) and not from Q-wave myocardial from acute coronary syndrome (ACS) and not from Q-wave myocardial that involves administering a glucagon-like peptide-1 (GLP-1) molecule to the patients. The method is also useful for creating patients useful for articles including congestive heart disease, cardiac abnormalities including congestive heart falsease, ischaemic heart disease or at a risk of developing ischaemic heart murmur (due to mitral regurgitation and cardiac fallure, worsening heart murmur (due to mitral regurgitation and cardiac conduction disturbances); for treating patients who have a blood troponin I level of less than 0.4 ng/ml and blood troponin T level of no more than I level of less than 0.4 ng/ml and blood creatine kinase myocardial enzyme or symptoms such as chest pain greater than 15 minutes in duration, chest pain or symptoms such as chest pain following minimal exertion (that is poorly responsive to sublingual nitrates), namesa, shortness of breath, palpitation and dizziness and have not suffered from a Q-wave myocardial infarction prior to the onset of the symptoms, and having normal ECG. The showing symptoms of pulmonary and peripheral oedema, atrial or showing symptoms of pulmonary and peripheral oedema, atrial or wherricular extrasystoles, arterial fibrillation and other arrhythmias; conditioning a Q-myocardial infarction (QMI) ameliorates the tissue damage that results from the QMI and subsequent reperfusion-induced injury. An

Type: P Check: 9591

AAB30912 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

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advantage of using GLP-1 molecules is that high doses can be used without consequent hypoglycaemia and hyperglycaemia. Thus doses up to 10 nmol/kg can be used without adverse effects, as the action of the molecules are ideal for optimising glucose metabolism in individuals including those with impaired glucose tolerance and elevated or aberrant blood glucose with impaired glucose tolerance and elevated or aberrant blood glucose levels. The molecule increases the time during which thrombolytic therapy becomes effective following the first symptom of cardiac distress. The present sequence is Gila monster exendin 4 peptide which is homologous to mammalian GLP-1 peptide
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Sequence 39 AA;

AAE14427 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

to: 39 from: 1 aae30912 ; Exendin-3 peptide (7-45).
(from "seq4ags.pep")
TOIG of: aae30912 check: 9591 from match found in sequence:

AAE30912 standard; peptide; 39 AA (first entry) 24-FEB-2003 AAE30912;

Glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig; therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic; Exendin-3 peptide (7-45). exendin-3.

Unidentified.

WO200246227-A2.

29-NOV-2001; 2001WO-US043165.

13-JUN-2002

07-DEC-2000; 2000US-0251954P.

(ELIL) LILLY & CO ELI

Tschang SR; Glaesner W, Micanovic R,

WPI; 2003-018534/01.

Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an immunoglobulin.

Disclosure; Page 31; 200pp; English.

The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-1) compound and the second is a human albumin or its analogue or fragment, or the FC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present sequence is exendin-3 peptide used in the invention

Sequence 39 AA

The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a remainus and a C-terminus and the first polypeptide is a glucagon -like peptide 1 (GLP-1) compound and the second is a human albumin or its analogue or fragment, or the PC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mellitus or obseity, or for the manufacture of medicament for treating the above mentioned diseases. The present sequence is exendin-4 peptide used in the invention dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an Glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig; therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic; Novel heterologous fusion protein, useful for treating non-insulin 1 match found in sequence: aae30920 ; Exendin-4-linker-human serum albumin (HSA) fusion protein. AAE30913 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key) to: 39 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS **HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS** Techang SR; check: 9570 from: 1 Disclosure; Page 32; 200pp; English. AAE30913 standard; peptide; 39 AA aae30913 ; Exendin-4 peptide (7-45). (from "seq4ags.pep")
TOIG of: aae30913 check: 9570 from 29-NOV-2001; 2001WO-US043165. 07-DEC-2000; 2000US-0251954P. Glaesner W, Micanovic R, 24-FEB-2003 (first entry) Exendin-4 peptide (7-45) (BLIL) LILLY & CO ELI match found in sequence: WPI; 2003-018534/01. Sequence 39 AA; WO200246227-A2 immunoglobulin Unidentified. 13-JUN-2002. exendin-4. AAE30913;

fusion protein.

24-FEB-2003

AAE30920;

Homo sapiens. Unidentified.

Chimeric.

WO200246227-A2

13-JUN-2002

Glaesner W,

AAE30920 Found

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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a Neterminus and a C-terminus and the first polypeptide is a glucagon -like peptide 1 (GLP-1) compound and the second is a human albumin or its analogue or fragment, where the C-terminus of first polypeptide is glused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with medicament for treating the above mentioned diseases. The present education is a fusion protein of the invention
                                                                                                                              Human; glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           dependent diabetes mellitus or obesity, comprises a glucagon-like peptide
1 compound fused to human albumin or to the Fc portion of an
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Found using 'seq4' (mohamed337.key)
                                                                                             Exendin-4-Immunoglobulin G1 (IgG1) fusion protein.
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                                                                                                                                                                                                                                          Homo sapiens.
Unidentified.
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                                                 24-FEB-2003
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  AAE30932;
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  EXXXXXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide 1 (GLP-1) compound and the second is a human albumin or its analogue or fragment, or the FC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with non-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present
                                                                                                                                                                                                                                                              Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
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(from "seq4ags.pep")
TOIG of: aae30932 check: 5210 from: 1 to: 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequence is a fusion protein of the invention
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                           from: 1
                                                                     AAE30920 standard; protein; 640 AA.
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(from "seq4ags.pep")
TOIG of: aae30920 check: 3586
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29-NOV-2001; 2001WO-US043165.
                                               WO200246227-A2
 Homo sapiens.
Unidentified.
                                                                      13-JUN-2002
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                       Chimeric.
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19
                                                                                                                                                                                                                                                                                                                                                             The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucason -like peptide I (GLP-I) compound and the second is a human albumin or its analogue or fragment, or the RC portion of an immunoglobulin (1g) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present
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therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
fusion protein.
           glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
y; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
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of: aae30934 c
                                    fusion protein.
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                                                           Homo sapiens.
Unidentified.
Chimeric.
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                       therapy;
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Found using
             Human;
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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a remainus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-I) compound and the second is a human albumin or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mellitus or obseity, or for the manufacture of sequence is a fusion protein of the invention
                                                                                                                                                                                                                                                                 Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an
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therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic.
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aae30937 ; Human GLP/exendin peptide analogue #1.
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'seq4' (mohamed337.key)
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                                                                                                                                    Tschang SR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 6; Page 85; 200pp; English.
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07-DEC-2000; 2000US-0251954P
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TOIG of: aae30937
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Modified-site
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The invention relates to a heterologous fusion protein comprising a first bolygeptide fused to a second polygeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-1) compound and the second is a human albumin or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mellitus or obseity, or for the manufacture of medicament for treating the above mentioned diseases. The present sequence is human GLP/exendin peptide analogue
                                                                                                                                     Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the FC portion of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beta cell degeneration, GLP-1; glucagon-like peptide-1; agonist; antiapoptotic; cytostatic; immunosuppressive; neuroprotective; nootropic; anti-HIV; antiParkinsonian; cerebroprotective; antidiabetic; stroke; type 2 diabetes; cancer; immunological disorder; multiple sclerosis; acquired immunodeficiency syndrome; ALDS; neurodegenerative disorder; Alzheimer's disease; Parkinson's disease; exendin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Type: P Check: 9570
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |------HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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to:
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                                                Tschang SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
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                                                                                                                                                                                                                                                            Example 6; Page 90; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAG62439 standard; peptide; 31 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aag62439 ; Exendin polypeptide #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-NOV-2000; 2000WO-DK000625.
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22-FEB-2000; 2000DK-00000270.
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                                                Glaesner W, Micanovic R,
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(ELIL ) LILLY & CO ELI
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                                                                                         WPI; 2003-018534/01.
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TOIG of: aag62439 c
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                                                                                                                                                                                                                immunoglobulin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-1) compound and the second is a human albumin or its analogue or fragment, or the FC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with non-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present
                                                                                                                                                                                                                                                                                                                           Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an
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therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE30937 Length: 31 February 4, 2005 13:20 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence is human GLP/exendin peptide analogue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aea30938; Human GLP/exendin peptide analogue #2.
(from "seq4aga.pep,")
TOIG of: aea30938 'check: 9570 from: 1 to: 39
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                                                                                                                                                                                                                                      Tschang SR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGP
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                                                                                            29-NOV-2001; 2001WO-US043165.
                                                                                                                                          07-DEC-2000; 2000US-0251954P.
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                                                                                                                                                                                                                                      Micanovic R,
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                                                                                                                                                                                                                                                                                                                                                                                                  immunoglobulin.
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Modified-site
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                                              13-JUN-2002
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The present sequence is provided in a specification relating to pituitary adenylate cyclase activating peptide (PACAP) receptor 3 (R3) agonist polypeptides stimulate insulin release from pancreatic beta cells. They are useful for treating metabolic disorders such as type 2 diabetes and the pre-diabetic state of impaired glucose tolarance. They are useful for treating respiratory diseases and for stimulating insulin release in a glucose-dependent manner. The R3 agonists are useful for treating diseases and conditions such as diabetes, asthma, hypertension, male resproduction problems including human sperm motility, cardiovascular diseases and ulcers. They are useful in gene
Novel pituitary adenylate cyclase activating peptide receptor 3 agonist useful for treating type 2 diabetes, asthma, hypertension, ulcers and cardiovascular diseases.
                                                                                                                                                                                                                                                                                                                                        AAG70462 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                    Disclosure; Page 6; 62pp; English.
                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
                                                                                                                                                                                                                                                                           therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This invention relates to a method of treating beta cell degeneration through the administration of a GLP-1 (glucagon-like peptide-1) agonist. Use of the method results in antiapoptotic; cytostatic; immunosuppressive; neuroprotective; noctropic; anti-HV (human immunodeficiency virus); antiParkinsonian; cerebroprotective; and antidiabetic activity. The claims refer to the use of a specific GLP-1 analogue Argi4, Lys26 (N-epsilon-(gamma-Glu(N-alpha-hexadecanoy)))-GLP-1 (7-37). The method is used for the treatment of beta cell degeneration, particularly apoptosis of beta cells. The GLP-1 agonist is used to modulate, inhibit, decrease or prevent beta cell degeneration, loss of beta cell function and/or death of beta cells, such as necrosis or apoptosis of descrease, in the GLP-1 with the paper of the cells, in subjects preferably mammals, especially humans. The apoptosis is associated with type 2 diabetes, cancer, immunological disorders, multiple sclerosis, acquired immunodeficiency syndrome (ALDS),
                                                                                                                                                                                                                                                                                                                                                                            and neurodegenerative disorders such as Alzheimer's disease, stroke and Parkinson's disease. The present sequence represents an exendin polypeptide, an GLP-1 agonist which can be used in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin-1; pituitary adenylate cyclase activating peptide; PACAP; antidiabetic; antidatelmatic; hypotensive; cardiant; antiulcer; respiratory disease; diabetes; glucose intolerance; asthma; male fertility; cardiovascular disease; ulcer; gene therapy;
                                                   Treating beta cell degeneration in subjects, particularly humans, involves administering GLP-1 agonists.
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                                                                                                      Disclosure; Page 41; 59pp; English
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15-JUN-2000; 2000US-00595280
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TOIG of: aag70462
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Treatment of insulin resistance-associated conditions, e.g. type-2 prediabetes, ASCD, drug-induced insulin resistance, congestive heart failure or diminished exercise capacity, comprises administration of GLP-1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gila monster; glucagon-like peptide-1; insulin resistance; diabetes; atherosclerotic cardiovascular disease; congestive heart failure; GLP-1; antidiabetic; antiarteriosclerotic; cardiant.
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HGEGTFTSDLSKOMEEEAVRLF1EWLKNGGPSSGAPPPS
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aao19591 ; Gila monster exendin 3.
(from "seq4ags.pep")
TOIG of: aao19591 check: 9591 fi
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13-PEB-2003
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associated conditions comprising administration of glucagon-like peptide-1 (GLP-1). The method is useful for treating insulin resistance-associated conditions, especially type-2 pre-diabetes, acherosclerotic cardiovascular diseases (ASCD), drug-induced insulin resistance (especially glucocorticoid- or growth hormone-induced), congestive heart failure (not associated with toxic hypervolemia), diminished exercise capacity of skeletal muscle and left ventricular dysfunction with cardiac metabolic myopathy or diminished exercise exercise capacity of skeletal muscle and left ventricular dysfunction with cardiac The present sequence is an exercise capacity of skeletal muscle. The present sequence is an exercise capacity of skeletal muscle.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to a method of treating insulin resistance—sasociated conditions comprising administration of glucagon-like peptide—1 (GLP-1). The method is useful for treating insulin resistance—associated conditions, especially type-2 pre-diabetes, atherosciertic cardiovascular diseases (ASCD), drug-induced insulin resistance (especially glucocorticoid- or growth hormone-induced), congestive heart failure (not associated with coxic hypervolemia), diminished exercise capacity of skeletal muscle and left ventricular dysfunction with cardiac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Treatment of insulin resistance-associated conditions, e.g. type-2 prediabetes, ASCD, drug-induced insulin resistance, congestive heart failure or diminished exercise capacity, comprises administration of GLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gila monster; glucagon-like peptide-1; insulin resistance; diabetes; atherosclerotic cardiovascular disease; congestive heart failure; GLP-1; antidlabetic; antiarteriosclerotic; cardiant.
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39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAO19593 standard; peptide; 39 AA
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of: aao19593 c
                                                                                                                                                                                                                          Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200285406-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-OCT-2003
13-FEB-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Holst JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AA019593;
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      886666666666888
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- for
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of skeletal muscle,
                                                                                                                                                                                                                                          aar80543 ; Heloderma guspectum exendin-4 residues 1-31 (Exendin-4(1-31)).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stimulating/inhibiting insulin release with exendin polypeptide(s) treating diabetes mellitus and preventing hyperglycaemia.
               The present sequence is an exendin protein from the Gila monster. (Updated on 23-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR80543 Length: 31 February 4, 2005 13:19 Type: P Check: 7369 ound using 'seq4' (mohamed337.key)
                                                                                             Check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum exendin-4 residues 1-31 (Exendin-4(1-31)).
                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin-4; residues 1-31; Exendin-4(1-31); diabetes mellitus; hyperglycaemia; insulinotropic peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
aar80544 ; Heloderma suspectum exendin-4 residues 1-31-Tyr31.
or diminished exercise capacity
                                                                                            Type: P
                                                                                                                                                                                                                                                                        31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 31
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HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                           :
to
                                                                                            2005 13:20
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                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Col 13-14; 17pp; English.
                                                                                                                                                                                                                                                                                                        AAR80543 standard; peptide; 31 AA
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                                                                                             39 February 4, (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  93US-00066480.
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                                                                                                                                                                                                                                                                          check: 7369
                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1995-262627/34.
                                                                                                                                                                                                                         1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Heloderma suspectum
 metabolic myopathy
                                                                                                                                                                                                                                                           (from "seq4ags.pep")
TOIG of: aar80543 C
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                                                               Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq4ags.pep
TOIG of: aar80544
                                                                                             AAO19593 Length:
Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                       27-FEB-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US5424286-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ENG1/) ENG
                                                                                                                                                                                                                                                                                                                                        AAR80543;
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WPI; 1995-262627/34.
                                                                                                                                                                                                                                                1 match found in sequence:
                                    WPI; 1995-262627/34
                                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum
                                                                                                                                                       Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
(ENGJ/) ENG J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ENGJ/) ENG J
                                                                                                                                                                                                                                                                                                                                                                                                                                           24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                27-FEB-1996
                                                                                                                                                                                                                                                                                                                                                                                                        US5424286-A
                                                                                                                                                                                                                                                                                                                                                                                                                         13-JUN-1995
                                                                                                                                      mechanisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mechanisms
                                                                                                                                                                                                                                                                                                               AAR80546;
                  Eng J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eng J;
Stimulating/inhibiting insulin release with exendin polypeptide (s) - for treating diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                                                                                  AAR80544 is the Heloderma suspectum exendin-4 residues 1-31, where the native Pro31 has been replaced with a Tyr residue. It is an insulinotropic peptide, and can therefore be used in the treatment of diabetes mellitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent mechanisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin-3; diabetes mellitus; hyperglycaemia; insulinotropic peptide.
                                                            Exendin-4; residues 1-31; Y-31-Exendin-4(1-31); diabetes mellitus;
hyperglycaemia; Tyr31; insulinotropic peptide.
                                                                                                                                                                                                                                                                                                                                                                   AAR80544 Length: 31 February 4, 2005 13:19 Type: P Check: 7648 Found using 'seq4' (mohamed337.key)
                                           Heloderma suspectum exendin-4 residues 1-31-Tyr31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                 aar80545; Heloderma horridum exendin-3.
(from "seq4ags.pep")
TOIG of: aar80545 check: 9591 from: 1
                                                                                                                                                                                                                                                                 Claim 2; Col 13-14; 17pp; English.
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                                                                                                                                              93US-00066480
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma horridum exendin-3
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                         (first entry)
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                                                                                                                                                                                                                     WPI; 1995-262627/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
                                                                                        Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma horridum
                                                                                                                                                                                                                                                                                                                                                 Sequence 31 AA;
                                                                                                                                                                                 (ENGJ/) ENG J
                                                                                                                                             24-MAY-1993;
                                                                                                                                                               24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-MAY-1993;
                         27-FEB-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-FEB-1996
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                                                                                                         US5424286-A
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        AAR80544
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                                                                                                                                                                                                    Eng J;
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AAR80545 is Heloderma horridum exendin-3. It is an insulinotropic peptide, and can therefore be used in the treatment of diabetes mellitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAR80546 is Heloderma suspectum exendin-4. It is an insulinotropic peptide, and can therefore be used in the treatment of diabetes mallitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent
Stimulating/inhibiting insulin release with exendin polypeptide(s) - for treating diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             - for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin-4; diabetes mellitus; hyperglycaemia; insulinotropic peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stimulating/inhibiting insulin release with exendin polypeptide(s) treating diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR80546 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Type: P Check: 9591
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aar80546 ; Heloderma suspectum exendin-4.
(from "seq4ags.pep")
TOIG of: aar80546 check: 9570 from: 1
                                                                                                             Claim 5; Col 13-14; 17pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma suspectum exendin-4.
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Location/Qualifiers

(first entry)

/label= Pro, Tyr

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Producing crystals of glucagon-like peptide-1 analog for preparing pharmaceutical composition, by preparing aqueous solution comprising the analog, salt and organic solvent, and isolating crystals after formation.
                                                                                                                                      Exendin, glucagon-like peptide-1; GLP-1; crystallisation;
diabetes mellitus; hyperglycaemia; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Page 18; 33pp; English
AAU07291 standard, peptide; 31 AA.
                                                                                                     Exendin polypeptide fragment #1.
                                                                                                                                                                                                                                                                                                                                                                   31-JAN-2001; 2001WO-DK000067.
                                                                                                                                                                                                                                                                                                                                                                                                    31-JAN-2000; 2000DK-0000156
                                                                                                                                                                                                                                                                                                                                                                                                                                      (NOVO ) NOVO NORDISK AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514598/56.
                                                                                                                                                                                                                                           Misc-difference 31
                                                                                                                                                                                                                                                                                              WO200157084-A1
                                                                   24-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Arentsen AC;
                                                                                                                                                                                                                                                                                                                                 09-AUG-2001
                                                                                                                                                                                            Synthetic.
                                AAU07291;
The invention relates to a new pulmonary liquid or dry formulation comprises a GLP-1 compound to which a lipophilic substituent is attached, optionally via a spacer. The formulation is useful in a pulmonary delivery device. The formulation is useful for reducing blood glucose levels, treating diabetes type I, diabetes type II, obesity and gastric culoces, and inhibiting gastric acid secretion and apoptosis of betacells. The present sequence is an exception peptide, derivatives of which can be used as a spacer peptide with GLP-1
                                                                                                                                                                                                                                                                                                                                  exendin; GLP-1; diabetes type I; diabetes type II; ulcers; gastric acid secretion; apoptosis; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New pulmonary liquid or dry formulation comprises a GLP-1 compound to which a lipophilic substituent is attached, optionally via a spacer, useful in a pulmonary delivery device.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      February 4, 2005 13:20 Type: P Check: 7617
                                                                                                                aau05785 ; Insulin release stimulating polypeptide, exendin.
(from "seq4ags.pep")
TOIG of: aau05785 check: 7617 from: 1 to: 31
                                                                                                                                                                                                                                                                                                  Insulin release stimulating polypeptide, exendin
                                HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 6; 30pp; English.
                                                                                                                                                                                              31 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /label= Pro, Tyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU05785 Length: 31 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-JAN-2001; 2001WO-DK000015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-JAN-2000; 2000DK-00000030
                                                                                                                                                                                              AAU05785 standard; peptide;
                                                                                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Agerso H;
                                                                                                                                                                                                                                                                                                                                                     obesity; gastric ulce
anorectic; antiulcer
                                                                                                   match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-502577/55.
                                                                                                                                                                                                                                                                                                                                    Insulin release;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200151071-A2
                                                                                                                                                                                                                                                               24-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Anderson K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                               AAU05785;
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The invention relates to a method of producing crystals of a glucagon-
like peptide-1 (GLP-1) analogue or producing a GLP-1 analogue or a GLP-1
analogue attached to a lipophilic substituent, which involves preparing
an aqueous solution comprising a GLP-1 analogue, a salt, and an organic
an aqueous solution comprising a GLP-1 analogue, a salt, and an organic
convent, and isolating the crystals after formation. The method is useful
convention crystals of a GLP-1 or for producing a GLP-1 analogue.

The preparation of a lipophilic substituent. These are useful for preparing a
compounds to a lipophilic substituent. These are useful for preparing a
configuration of a GLP-1 analogue results in removal of coloured
compounds from the fermentation broth, reduction of yeast host cell
compounds from the fermentation broth, reduction of yeast host cell
compounds from the fermentation broth, reduction of yeast host cell
corpusion of a GLP-1 analogue from the mother liquor. The
present sequence represents the amino acid sequence of exendin
construction of In a GLP-1 analogue from the mother liquor. The
present sequence represents the amino acid sequence of exendin
construction of In a GLP-1 analogue sequence of exendin
construction of In and prevention of hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P Check: 7617
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aau07378 ; Glucagon-like peptide-1 (GLP-1) homologue, exendin 3.
{from "seq4ags.pep"}
TOIG of: aau07378 check: 9591 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAU07291 Length: 31 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGX
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 31 AA;
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AAU07378 standard; peptide; 39 AA

ДX

31

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from: 1

check: 7617

(from "seq4ags.pep") TOIG of: aau07291 c

1 match found in sequence: aau07291 ; Exendin polypeptide fragment #1.

HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGX

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The invention relates to a method of inhibiting antro-duodenal motility in a patient, comprising administering a glucagon-like peptide (GLP-1) molecule. The method is used to premedicate or in endoscopic procedures or to treat or prevent non-infectious acute and chronic diarrhoea, post-operative dumping syndrome, irritable bowel syndrome or symptoms associated with narcotics withdrawal. Unlike prior art treatment with glucagon, the invention is not contraindicated in persons with diabetes, does not incur the risks of side effects such as nausea, and is not expensive. The present sequence represents mammalian glucagon-like peptide-1, (GLP-1) homologue, exendin 4 as described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; glucagon-like peptide 1; GLP-1; serum lipid; triglyceride; plasma; human; glucagon-like peptide 1; GLP-1; serum lipid; cholesterol; stroke; fatty acid; plasma; apolipoptotein; dyslipidaemia; fatty acid; artery; cerebrovascular disease; cardiovascular disease; aneurysm; surgery; cerebrovascular disease; anelurysm; surgery; papass graft stenosis; diabetes mellitus; anticogulative treatment; coronary thrombosis; antilipaemic; cardiant; cerebroprotective; exendin; antidiabetic; antianteriosclerotic; vasotropic; noctropic; antianginal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gastrointestinal disorders such as irritable bowel syndrome and non-
infectious diarrhea, comprises administering glucagon-like peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU07380 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Inhibiting antro-duodenal motility, useful to prevent or treat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aau08763; Human exendin degenerate peptide fragment.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human exendin degenerate peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         check: 7617 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 13; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU08763 standard; peptide; 31 AA
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                                                                                                                                                                                                                                14-MAR-2000; 2000US-0189091P.
                                                                                                                                                                             14-MAR-2001; 2001WO-EP002882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                Schirra J;
                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-596887/67.
                                                                                                                                                                                                                                                                                                            (SCHI/) SCHIRRA J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Misc-difference 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
                                                                         WO200168112-A2.
                                                                                                                                                                                                                                                                                 (GOEK/) GOEKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOIG of: aau08763
                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                            20-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU08763;
                                                                                                                                                                                                                                                                                                                                                                Goeke B,
expensive. The present sequence represents mammalian glucagon-like peptide-1, (GLP-1) homologue, exendin 3 as described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a method of inhibiting antro-duodenal motility in a patient, comprising administering a glucagon-like peptide (GLP-1) molecule. The method is used to premedicate or in endoscopic procedures or to treat or prevent non-infectious acute and chronic diarrhoea, post-operative dumping syndrome, irritable bowel syndrome or symptoms associated with narcotics withdrawal. Unlike prior art treatment with glucagon, the invention is not contraindicated in persons with diabetes, does not incur the risks of side effects such as nausea, and is not
                                                                                                                                               Antidiarrhoeic, antiinflammatory, antiaddictive, premedication, antro-duodenal motility, glucagon-like peptide-1, GLP-1, endoscopy, diarrhoea, post-operative dumping syndrome; irritable bowel syndrome, naroctics withdrawal; exendin 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antidiarrhoeic, antiinflammatory, antiaddictive, premedication, antro-duodenal motility, glucagon-like peptide-1, GLP-1, endoscopy, diarrhoea, post-operative dumping syndrome, irritable bowel syndrome, narcotics withdrawal; exendin 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Inhibiting antro-duodenal motility, useful to prevent or treat gastrointestinal disorders such as irritable bowel syndrome and non infectious diarrhea, comprises administering glucagon-like peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAU07378 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              aau07380 ; Glucagon-like peptide-1 (GLP-1) homologue, exendin 4.
(from "seq4ags.pep")
TOIG of: aau07380 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Glucagon-like peptide-1 (GLP-1) homologue, exendin 4.
                                                                                                    Glucagon-like peptide-1 (GLP-1) homologue, exendin 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure, Page 13, 43pp, English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              14-MAR-2001; 2001WO-EP002882.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-MAR-2000; 2000US-0189091P.
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                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Schirra J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-596887/67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SCHI/) SCHIRRA J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                       WO200168112-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GOEK/) GOEKE
                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                   18-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                           20-SEP-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goeke B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 invention
AAU07378;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU07380
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to: 31

13-SEP-2001

Knudsen LB,

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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This peptide is a fragment of exendin-3 isolated from Heloderma horridum. This peptide and its salts, esters and derivatives can be used to treat diabetes mellitus. They stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "This residue can be any amino acid except Gly"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            insulin; secretion; biosynthesis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW39301 Length: 30 February 4, 2005 13:19 Type: P Check: 5420 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aaw33302; H. horridum exendin-4 peptide.
[from seq4ags.pep. ]
TOIG of: aaw33302 - heck: 5399 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW39302 standard; peptide; 30 AA
                                                                                                                                                                                                               (BOEF ) BOEHRINGER MANNHEIM GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HSDGTFTSDLSKQMEEBAVRLFIEWLKNGX
                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; Page 3; 150pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin-3; exendin 4; diabetes;
                                                                                                                                                                                                                                                           Goeke B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              H. horridum exendin-4 peptide.
                                                                                                                                        96DE-01022502.
96DE-01037230.
                                                                                            97WO-EP002930,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      97WO-EP002930.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96DE-01022502.
                                                                                                                                                                                                                                                                                                                                                                                                      do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (revised)
(first entry)
                                                                                                                                                                                                                                                             Goeke R,
                                                                                                                                                                                                                                                                                                         WPI; 1998-042119/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Heloderma horridum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                        05-JUN-1996;
13-SEP-1996;
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05-JUN-1998
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  WO9746584-A1
                                                                                          05-JUN-1997;
                                              11-DEC-1997.
                                                                                                                                                                                                                                                           Hoffmann E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            W09746584-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAW39302;
  The invention relates to a medicament for lowering serum lipids, comprising a glucagon-like peptide 1 (GLP-1) agonist. The GLP-1 agonist is used for lowering total serum lipids such as low density lipoproteins particularly small, dense lipoproteins, triglycerides, cholesterol and non-esterified fatty acids, for increasing high density lipoproteins, for lowering plasma levels of lipoprotein, for inhibiting generation of apolipoprotein, for treating dyslipidaemia in humans and also for lowering fatty acids, such as free fatty acids and non-esterified fatty acids. The medicament is also useful for treating cerebroyascular
                                                                                                                                                                                                                                                                                                                          Use of glucagon-like peptide-1 agonist for manufacturing a medicament for lowering total serum lipids e.g. low density lipoproteins and cholesterol.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  claudication, aneurysms of aorta and other large arteries, bypass graft stenosis and diabetes mellitus. The peptides may also be used in anticoagulative treatment e.g. following a coronary thrombosis or after
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diseases and cardiovascular diseases such as stroke, cerebral haemorrhage, coronary heart disease, coronary artery disease, diabetic vasculopathy, atherosclerosis, peripheral atherosclerosis, arectical anyocardial infarction, ischaemic heart disease, restenosis, peripheral artery disease, angina pectoris, intermittent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "This residue can be any amino acid except Gly"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This sequence represents a fragment of a degenerate exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU08763 Length: 31 February 4, 2005 13:19 Type: P Check: 7617 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                     Larsen PJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 30
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aav33301, H. horridum exendin-3 peptide.
(from "seq4848.pep")
TOIG Of: aaw39301 check: 5420 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 40; 52pp; English.
                                                                                                                                                                                                                                     Sturis J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  H. horridum exendin-3 peptide.
                                                                                          08-MAR-2001; 2001WO-DK000150
                                                                                                                                        38-MAR-2000; 2000DK-00000375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polypeptide, a GLP-1 agonist
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                                                                                                                                                                                  (NOVO ) NOVO NORDISK AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (revised)
                                                                                                                                                                                                                                                                                 WPI; 2001-602602/68.
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WO200166135-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Key
Modified-site
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05-JUN-1998
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AAW39301;

XFTHXSXWWXEXPPXCXDX

seq4_ags.res

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Goeke R,
                      WPI; 1998-042119/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma horridum.
                                                                                                                                                                                                                            economically than correct PR field.)
                                                                                                                                                                                                                                                             Sequence 30 AA;
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Modified-site
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13-SEP-1996;
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05-JUN-1998
Hoffmann E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-DEC-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW39304;
 This peptide is a fragment of exendin-4 isolated from Heloderma horridum. This peptide and its salts, esters and derivatives can be used to treat diabetes mellitus. They stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                       Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                    AAW39302 Length: 30 February 4, 2005 13:19 Type: P Check: 5399 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                           . match found in sequence:
aaw33303; H. horridum exendin-4 peptide derivative #1.
(from "seq4ags.pep")
TOIG of: aaw39303 check: 5373 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 H. horridum exendin-4 peptide derivative #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "Norleucine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW39303 standard; peptide; 30 AA
                      (BOEF ) BOEHRINGER MANNHEIM GMBH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (BOEF ) BOEHRINGER MANNHEIM GMBH
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGX
                                                                                                                                   Claim 1; Page 4; 150pp; English
                                             Goeke B;
96DE-01037230.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96DE-01022502.
96DE-01037230.
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(first entry)
                                            Goeke R,
                                                                   WPI; 1998-042119/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Heloderma horridum.
                                                                                                                                                                                                                                                                                               Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Key
Modified-site
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13-SEP-1996;
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13-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-MAR-2003
05-JUN-1998
                                            Hoffmann E,
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XBXBXBXBXBXBXBXBXBXBXBXBXXBX
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                         Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aaw33304 ; H. horridum exendin-4 peptide derivative #2.
(from "seq4ags.pep")
TOIG of: aaw33304 check: 5583 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         H. horridum exendin-4 peptide derivative #2.
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/note= "Norleucine"
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                                                                                                                                                                                                                                                                                                               Claim 2, Page 19, 150pp; English.
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HGEGTFTSDLSKQXEEEAVRLFIEWLKNGR
Goeke B;
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96DE-01037230.
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
              Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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aaw39305; H. horridum exendin-3 peptide derivative #1.
(from "seq4ags.pep")
TOIG of: aaw39305 check: 5394 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    H. horridum exendin-3 peptide derivative #1.
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/note= "Norleucine"
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                                                                                   Claim 2; Page 20; 150pp; English.
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96DE-01037230.
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Modified-site
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13-SEP-1996;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aaw33306; H. horridum exendin-4 peptide derivative #3.
(from "seq4ags.pep")
TOIG of: aaw33306 check: 5373 from: 1 to: 30
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                                 2; Page 20; 150pp; English.
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do not induce hypoglycaemia.
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05-JUN-1998
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at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)

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Sequence 30

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treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only amenate when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more cornect PR field.)
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aaw39308 ; H. horridum exendin-4 peptide derivative #5.
(from "seq4ags.pep")
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Peptides AAW39103-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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                                                                                                                                                                                                                                                                                                                                                                                exendin 4; diabetes; insulin; secretion; biosynthesis;
AAW39308 Length: 30 February 4, 2005 13:19 Type: P Check: 4988 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                  glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                    . match found in sequence:
aaw39309; H. horridum exendin-4 peptide derivative #6.
(from "seq4ags.pep")
TOIG of: aaw33109 check: 4855 from: 1 to: 30
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HGEGTFTSDLSKQMEEEAVRAFIEWLKNGR
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Modified-site
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GLPI) and the known exendins, they are more active (effective

Truncated versions of exendin peptide(s) for treating diabetes - increass secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 22; 150pp; English.

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate blosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hyposlycaemia. Compared with glucagon-like peptide 1 (GLD1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Truncated versions of exendin peptide(s) for treating diabetes - increass secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                  Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
Length: 30 February 4, 2005 13:19 Type: P Check: 4855 g 'seq4' (mohamed337.key)
                                                                                                                                    . match found in sequence:
aaw33310; H. horridum exendin-4 peptide derivative #7.
(from "seq4ags.pep")
TOIG of: aaw39310 check: 4624 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                      H. horridum exendin-4 peptide derivative #7.
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30
/note= "C-terminal amide"
                                                                                                                                                                                                                     AAW39310 standard; peptide; 30 AA
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                                                                   HGEGTFTSDLSKQMEEEAVRLFIEWLKAGR
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96DE-01037230.
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Modified-site
   AAW39309 Length:
Found using 'seq4'
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05-JUN-1998
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                                                                                                                                     1 match
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-WAR-2003 to
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. match found in sequence:
aaw39311 ; H. horridum exendin-4 peptide derivative #8.
                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal OH group"
                                                                                                                                                                                                     H. horridum exendin-4 peptide derivative #8.
                                                  to: 30
                                                  check: 5051 from: 1
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                                                                                   AAW39311 standard; peptide; 30 AA
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HGEGTFTSDLSKQAEEEAVRLFIEWLKNGR
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96DE-01037230.
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(first entry)
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                                (from "seq4ags.pep"
TOIG of: aaw39311
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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                                                                                                                   AAW39311;
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1 match found in sequence: aaw39312 ; H. horridum exendin-4 peptide derivative #9. (from "seq4ags.pep")

AAW39310 Length: 30 February 4, 2005 13:19 Type: P Check: 4624 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRAFIEWLKÄGR

Modified-site Modified-site

25-MAR-2003 05-JUN-1998

AAW39312;

WO9746584-A1

05-JUN-1997;

11-DEC-1997.

13-SEP-1996;

Hoffmann E,

05-JUN-1996;

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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                                                                                                       H. horridum exendin-3 peptide derivative #2.
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to
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96DE-01037230.
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TOIG of: aaw39315
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13-SEP-1996;
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05-JUN-1998
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05-JUN-1998
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AAW39314;
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  Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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aaw33314; H. horridum exendin-3 peptide derivative #2.
(from "seq4ags.pep")
TOIG of: aaw33314 check: 4898 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                          'note= "N-terminal acetylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal OH group"
                                                                                                                                                                                            H. horridum exendin-4 peptide derivative #9.
to: 30
from: 1
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                                          30 AA
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HGEGTFTSDLSKQIEEEAVRLFIEWLKNGR
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96DE-01037230.
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                                          AAW39312 standard, peptide;
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check: 5163
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TOIG of: aaw39312
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H. horridum exendin-3 peptide derivative #3.

AAW39314 standard; peptide; 30 AA

seq4_ags.res

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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               Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw33316 ; H. horridum exendin-3 peptide
[from "seq4ags.pep"]
TOIG of: aaw39316 check: 4786 from: 1
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(first entry)
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                                                                 Heloderma horridum.
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Berdin-3 and exendin-3 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
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aaw39317 ; H. horridum exendin-4 peptide derivative #11.
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Found using 'seq4' (mohamed337.key)
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                             /note= "C-terminal amide"
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|HSDGTFTSDLSKQAEEEAVRLFIEWAKNGR
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(first entry)
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TOIG of: aaw39317
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                                                                                                                         05-JUN-1997;
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                                                                                                                                                                                                                                    Hoffmann E,
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
                                                                                                                                                                                                                                                                        Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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TOIG of: aaw39332 check: 5399 from: 1 to: 30
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                (BOEF ) BOEHRINGER MANNHEIM GMBH.
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HSEGTFTSDLSKQXEEEAVRLFIEWLKNGR
28
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                                                                                                      96DE-01037230.
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                                                                                                                                                                                           Goeke R,
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Secondin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aaw33311; H. horridum exendin-4 peptide derivative #25.
(from "seq4ags.pep")
TOIG of: aaw3931 check: 5397 from: 1 to: 30
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HAEGTFTSDLSKQXEEEAVRLFIEWLKNGR
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(first entry)
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05-JUN-1997;
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05-JUN-1998
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Hoffmann E,
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                       Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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                                          (BOEF ) BOEHRINGER MANNHEIM GMBH.
                                                                                                                                                   Claim 2; Page 25; 150pp; English
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                                                               Goeke B;
           96DE-01022502.
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                                                               Goeke R,
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                               rruncated vergions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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aaw39338 ; H. horridum exendin-3 peptide derivative #7.
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Goeke B;
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Goeke R,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 diabetes; insulin; secretion; biosynthesis;
                                                                                                                                                                                                                           AAW39338 Length: 30 February 4, 2005 13:19 Type: P Check: 5075 Found using 'seq4' (mchamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                        aaw39340; H. horridum exendin-4 peptide derivative #30. (from "seq4ags.pep")
TOIG of: aaw39340 check: 5039 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           horridum exendin-4 peptide derivative #30
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                          Claim 2; Page 26; 150pp; English.
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96DE-01037230.
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not induce hypoglycaemia.
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                                                                                                                                                                                                                                                                                                                              match found in sequence:
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypodycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective
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treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Secondin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglyaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more conomically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
    aaw39341 ; H. horridum exendin-4 peptide derivative #31.
    (from "seq4ags.pep")
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Found using 'seq4' (mohamed337.key)
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucase utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
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                longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
and have a
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glucagon reduction; hypoglycaemia; glucose; treatment.
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at lower doses), more stable to degradation and metabolism
                                                                                                                                                                                                                                                             . match found in sequence:
aaw33343; H. horridum exendin-4 peptide derivative #33.
(from "seq4ags.pep")
TOIG of: aaw33943 check: 5165 from: 1 to: 30
                                                                                                                      AAW39341 Length: 30 February 4, 2005 13:19 Type: P
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96DE-01037230.
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sexendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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   Check: 5165
                                                                                                                                                                                                                                                                       1 match found in sequence:
    aaw39344 ; H. horridum exendin-4 peptide derivative #34.
    (from "seq4ags.pep")
   Type: P
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AAW39343 Length: 30 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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HGEGTITSDLSKQAEEEAVRLFIEWLKNGR

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1 match found in sequence: aaw39345 ; H. horridum exendin-4 peptide derivative #35. (from "seq4ags.pep")
TOIG of: aaw39345 check: 5044 from: 1 to: 30

AAW39345 standard; peptide; 30 AA.

AAW39345;

(first entry) (revised) 25-MAR-2003 05-JUN-1998

H. horridum exendin-4 peptide derivative #35.

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum

Location/Qualifiers . 30 Key Modified-site

/note= "C-terminal amide"

WO9746584-A1

11-DEC-1997

97WO-EP002930. 05-JUN-1997;

96DE-01022502. 96DE-01037230. 05-JUN-1996; (BOEF) BOEHRINGER MANNHEIM GMBH.

Goeke R, Hoffmann E,

WPI; 1998-042119/04.

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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 26; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower active doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to

Sequence 30 AA;

AAW39345 Length: 30 February 4, 2005 13:19 Type: P Check: 5044 ound using 'seq4' (mohamed337.key) Found

HGEGTFSSDLSKQAEEEAVRLFIEWLKNGR

aaw39347; H. horridum exendin-4 peptide derivative #37.
(from "seq4ags.pep") 1 match found in sequence:

to: 30 TOIG of: aaw39347 check: 5059 from: 1

AAW39347 standard; peptide; 30 AA

AAW39347;

25-MAR-2003 05-JUN-1998

(revised)
(first entry)

H. horridum exendin-4 peptide derivative #37.

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum

Location/Qualifiers 30 Modified-site

/note= "C-terminal amide"

WO9746584-A1

97WO-EP002930. 05-JUN-1997;

96DE-01037230. 05-JUN-1996; 13-SEP-1996;

(BOEF) BOEHRINGER MANNHEIM GMBH.

Goeke B; Goeke R, Hoffmann E,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 26; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower adses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to economically than correct PR field.)

Sequence 30 AA;

AAW39347 Length: 30 February 4, 2005 13:19 Type: P Check: 5059 Found using '8eq4' (mohamed337.key)

|-----| HGEGTFTTDLSKQAEEEAVRLFIEWLKNGR

1 match found in sequence:
aav3349; H. horridum exendin-4 peptide derivative #39.
(from seq4ags.pep")
TOIG Of: aav3349 check: 5060 from: 1 to: 30

AAW39349 standard; peptide; 30 AA SXXX

AAW39349

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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                          Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                     Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemla; glucose; treatment.
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aaw33350; H. horridum exendin-4 peptide derivative #40.
(from "seq4ags.pep")
TOIG of: aaw3350 check: 4941 from: 1 to: 30
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                                 horridum exendin-4 peptide derivative #39.
                                                                                                                                    /note= "C-terminal amide"
                                                                                                           Location/Qualifiers
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96DE-01037230.
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 (revised)
(first entry)
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(first entry)
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                                                                                          Heloderma horridum
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Modified-site
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13-SEP-1996;
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05-JUN-1998
 25-MAR-2003
05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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Found using 'seq4' (mohamed337.key)
glucagon reduction; hypoglycaemia; glucose; treatment.
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HGEGTFTSDASKQAEEEAVRLFIEWLKNGR
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(first entry)
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TOIG of: aaw39351
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13-SEP-1996;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate bisogruhesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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    aaw39352 ; H. horridum exendin-4 peptide derivative #42.
    (from "seq4ags.pep")
    TOIG of: aaw39352 check: 4931 from: 1 to: 30
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 /note= "C-terminal amide"
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HGEGTFTSDLAKQAEEEAVRLFIEWLKNGR
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(first entry)
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13-SEP-1996;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
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aaw39353 ; H. horridum exendin-4 peptide derivative #43.
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                                                                          (BOEF ) BOEHRINGER MANNHEIM GMBH.
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HGEGTFTSDLSAQAEEEAVRLFIEWLKNGR
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97WO-EP002930.
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TOIG of: aaw39353 c
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Modified-site
05-JUN-1997;
                           05-JUN-1996;
                                           13-SEP-1996;
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05-JUN-1998
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Peptides AAN39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycamia. Compared with glucagon-like peptide i (Girl) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
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Found using '8eg4' (mohamed337.key)
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aww39354 ; H. horridum exendin-4 peptide derivative #44.
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/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKAAEEEAVRLFIEWLKNGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Goeke B;
                           Goeke B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96DE-01022502.
96DE-01037230.
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                                                                                                                                                                                                                       do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW39354 standard; peptide;
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(first entry)
                           Goeke R,
                                                                                        WPI; 1998-042119/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (from "seq4ags.pep")
TOIG of: aaw39354 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 30 AA;
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUN-1997;
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13-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9746584-A1
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05-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11-DEC-1997.
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                           Hoffmann E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW39354;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower adoses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
secretion and biosynthesis of insulin, but reduce those of glucagon, and
 Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
 AAW39354 Length: 30 February 4, 2005 13:19 Type: P Check: 4991 Found using 'seq4' (mohamed337.key)
 glucagon reduction; hypoglycaemia; glucose; treatment
 aaw39359; H. horridum exendin-4 peptide derivative #48. (from "seq4ags.pep")
TOIG of: aaw39359 check: 4711 from: 1 to: 30
 H. horridum exendin-4 peptide derivative #48
 /note= "C-terminal amide"
 Location/Qualifiers
 AAW39359 standard; peptide; 30 AA
 Claim 2; Page 27; 150pp; English.
 (BOEF) BOEHRINGER MANNHEIM GMBH.
 English.
 HGEGTFTSDLSKQAAEEAVRLFIEWLKNGR
 Goeke B;
 96DE-01022502.
96DE-01037230.
 97WO-EP002930
 do not induce hypoglycaemia.
 (revised)
(first entry)
 Claim 2; Page 27; 150pp;
 Goeke R,
 WPI; 1998-042119/04.
 1 match found in sequence:
 Heloderma horridum.
 sconomically than sorrect PR field.)
 Sequence 30 AA;
 Key
Modified-site
 05-JUN-1997;
 05-JUN-1996;
13-SEP-1996;
 WO9746584-A1
 Hoffmann E,
 11-DEC-1997.
 25-MAR-2003
05-JUN-1998
 AAW39359;
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isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
 correct PR field.)
 888888888888888888
```

Sequence 30 AA;

AAW39359 Length: 30 February 4, 2005 13:19 Type: P Check: 4711 Found using 'seq4' (mohamed337.key)

|-----| |HGEGTFTSDLSKQAEBEAVALFIEWLKNGR

match found in sequence:
aaw39360; H. horridum exendin-3 peptide derivative #10.
(from "seq4ags.pep") ; ; check: 5490 from: 1 TOIG of: aaw39360 1 match

 horridum exendin-3 peptide derivative #10. AAW39360 standard; peptide; 30 AA (revised)
(first entry) 25-MAR-2003 05-JUN-1998 Exendin-3; AAW39360; 

exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment. Heloderma horridum.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9746584-A1

11-DEC-1997

97WO-EP002930 05-JUN-1997; 96DE-01022502. 96DE-01037230. 05-JUN-1996; 13-SEP-1996; (BOEF ) BOEHRINGER MANNHEIM GMBH. Goeke B;

Goeke R, Hoffmann E,

WPI; 1998-042119/04.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia. Claim 2; Page 27; 150pp; English.

peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.) 88888888

Sequence 30 AA;

Check: 5490 Type: P AAW39360 Length: 30 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key) AAW39360

**HSDGTFTSDLSKQAEEEAVRLYIEWLKNGR** 

. match found in sequence: aaw39361 ; H. horridum exendin-4 peptide derivative #49. H. horridum exendin-4 peptide derivative #49. from: 1 AAW39361 standard; peptide; 30 AA check: 5350 (first entry) (from "seq4ags.pep") TOIG of: aaw39361 c 25-MAR-2003 05-JUN-1998 AAW39361; 

secretion; biosynthesis; Exendin-3; exendin 4; diabetes; insulin; secretion; b. glucagon reduction; hypoglycaemia; glucose; treatment

Heloderma horridum

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO9746584-A1

11-DEC-1997

97WO-EP002930 05-JUN-1997;

96DE-01037230. 96DE-01022502 05-JUN-1996; 13-SEP-1996;

(BOEF ) BOEHRINGER MANNHEIM GMBH.

Goeke R, Hoffmann E,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 27; 150pp; English

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-MAR-2003 to

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HGEGTFTSDLSKQAEEEAVRLFIEALKNGR

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
 diabetes; insulin; secretion; biosynthesis;
 Check: 5350
 glucagon reduction; hypoglycaemia; glucose; treatment.
 1 match found in sequence:
aaw39363 ; H. horridum exendin-4 peptide derivative #51.
(from "seq4ags.pep")
TOIG of: aaw39363 check: 4501 from: 1 to: 30
 AAW19361 Length: 30 February 4, 2005 13:19 Type: P
Found using 'seg4' (mohamed337.key)
 H. horridum exendin-4 peptide derivative #51.
 /note= "C-terminal amide"
 Location/Qualifiers
 AAW39363 standard; peptide; 30 AA
 Claim 2; Page 27; 150pp; English.
 (BOEF) BOEHRINGER MANNHEIM GMBH
 HGEGTFTSDLSKQAEEEAVRLFVEWLKNGR
 96DE-01022502.
96DE-01037230.
 Goeke
 97WO-EP002930
 (revised)
(first entry)
 exendin 4;
 Goeke R,
 WPI; 1998-042119/04.
 Heloderma horridum.
 economically than correct PR field.)
Sequence 30 AA;
 Sequence 30 AA;
 Modified-site
 05-JUN-1997;
 WO9746584-A1
 05-JUN-1996;
 13-SEP-1996;
 25-MAR-2003
05-JUN-1998
 Hoffmann E,
 11-DEC-1997
 Exendin-3;
 AAW39363;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 AAW39364 Length: 30 February 4, 2005 13:19 Type: P Check: 4765 Found using 'seq4' (mohamed337.key)
 match found in sequence:
aaw39364 ; H. horridum exendin-4 peptide derivative #52.
 H. horridum exendin-4 peptide derivative #52.
 to: 30
 30
/note= "C-terminal amide"
 from: 1
 Location/Qualifiers
 AAW39364 standard; peptide; 30 AA
 (BOEF) BOEHRINGER MANNHEIM GMBH.
 Claim 2; Page 27; 150pp; English.
 |-----|
HGEGTFTSDLSKQAEEEAVRLFIEWAKNGR
 Goeke B;
 97WO-EP002930
 96DE-01022502
96DE-01037230
 check: 4765
 (revised)
(first entry)
 Goeke R,
 WPI; 1998-042119/04.
 Heloderma horridum
 (from "seq4ags.pep")
TOIG of: aaw39364 c
 Sequence 30 AA;
 Key
Modified-site
 05-JUN-1997;
 05-JUN-1996;
13-SEP-1996;
 WO9746584-A1
 25-MAR-2003
05-JUN-1998
 Hoffmann B,
 11-DEC-1997.
 AAW39364;
1 match
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1 match found in sequence: aaw39365 ; H. horridum exendin-4 peptide derivative #53.

2005 13:19 Type: P Check: 4501

AAW39363 Length: 30 February 4, Found using 'seq4' (mohamed337.key)

AAW39365;

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
 Truncated versions of exendin peptide(s) for treating diabetes - increass secretion and biosynthesis of insulin, but reduce those of glucagon, and
 exendin 4; diabetes; insulin; secretion; biosynthesis;
 AAW39366 Length: 30 February 4, 2005 13:19 Type: P Check: 4877 Found using 'seq4' (mohamed337.key)
 glucagon reduction; hypoglycaemia; glucose; treatment.
 aaw39367; H. horridum exendin-4 peptide derivative #55. (from "seq4ags.pep")
TOIG of: aaw39367 check: 5051 from: 1 to: 30
 H. horridum exendin-4 peptide derivative #54.
 /note= "C-terminal amide"
 Location/Qualifiers
 AAW39367 standard; peptide; 30 AA
 (BOEF) BOEHRINGER MANNHEIM GMBH.
 Claim 2; Page 27; 150pp; English
 HGEGTFTSDLSKQAEEEAVRLFIEWLKNAR
 Goeke B;
 97WO-EP002930
 96DE-01022502
 96DE-01037230
 do not induce hypoglycaemia.
 (revised)
(first entry)
 (revised)
(first entry)
 Goeke R,
 match found in sequence:
 WPI; 1998-042119/04.
 Heloderma horridum
 economically than correct PR field.)
 Sequence 30 AA;
 Modified-site
 15-JUN-1997;
 WO9746584-A1
 05-JUN-1996;
 13-SEP-1996;
 Hoffmann E,
 11-DEC-1997.
 25-MAR-2003
05-JUN-1998
 25-MAR-2003
05-JUN-1998
 Exendin-3;
 AAW39367;
 Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 AAW39365 Length: 30 Pebruary 4, 2005 13:19 Type: P Check: 4781 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aaw33366; H. horridum exendin-4 peptide derivative #54.
(from "seq4ags.pep")
TOIG of: aaw33366 check: 4877 from: 1 to: 30
 H. horridum exendin-4 peptide derivative #53.
 to: 30
 /note= "C-terminal amide"
 from: 1
 Location/Qualifiers 30
 AAW39365 standard; peptide; 30 AA
 Claim 2; Page 27; 150pp; English
 (BOEF) BOEHRINGER MANNHEIM GMBH
 HGEGTFTSDLSKQAEEEAVRLFIEWLANGR
 Goeke B;
 96DE-01037230.
 97WO-EP002930
 96DE-01022502
 check: 4781
 (first entry)
 (revised)
 Goeke R,
 WPI; 1998-042119/04.
 Heloderma horridum.
(from "seq4ags.pep")
TOIG of: aaw39365 c
 Sequence 30 AA;
 Key
Modified-Bite
 WO9746584-A1
 05-JUN-1997;
 05-JUN-1996;
13-SEP-1996;
 25-MAR-2003
05-JUN-1998
 Hoffmann E,
 11-DEC-1997
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H. horridum exendin-4 peptide derivative #55.

AAW39366 standard; peptide; 30 AA

AAW39366

e X X

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes melitius. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaenia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
 - increase
 Truncated versions of exendin peptide(s) for treating diabetes - increass secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
glucagon reduction; hypoglycaemia; glucose; treatment.
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 AAW39367 Length: 30 February 4, 2005 13:19 Type: P Check: 5051
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aaw39368 ; H. horridum exendin-3 peptide derivative #11.
 H. horridum exendin-3 peptide derivative #11.
 to: 30
 /note= "C-terminal amide"
 Location/Qualifiers
30
 from: 1
 Location/Qualifiers
 AAW39368 standard; peptide; 30 AA
 Claim 2; Page 27; 150pp; English.
 (BOEF) BOEHRINGER MANNHEIM GMBH
 HGEGTFTSDLSKQAEEEAVRLFIEWLKNGR
 Goeke B;
 97WO-EP002930.
 96DE-01037230.
 96DE-01022502
 check: 5240
 (revised)
(first entry)
 Goeke R,
 WPI; 1998-042119/04.
 Heloderma horridum
 Heloderma horridum
 economically than correct PR field.)
 (from "seq4ags.pep")
TOIG of: aaw39368 c
 Sequence 30 AA;
 Key
Modified-site
 35-JUN-1997;
 05-JUN-1996;
 WO9746584-A1
 Hoffmann E,
 25-MAR-2003
05-JUN-1998
 11-DEC-1997
 AAW39368
 Key
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective lower lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 AAW39368 Length: 30 February 4, 2005 13:19 Type: P Check: 5240
 1 match found in sequence:
aaw39369; H. horridum exendin-3 peptide derivative #12.
 H. horridum exendin-3 peptide derivative #12.
 to: 30
 30
/note= "C-terminal amide"
 /note= "C-terminal amide"
 (from "seq4ags.pep")
TOIG of: aaw39369 check: 5604 from: 1
 Location/Qualifiers
 /label= Nle
/note= "Norleucine"
 AAW39369 standard; peptide; 30 AA
 (BOEF) BOEHRINGER MANNHEIM GMBH.
 Claim 2; Page 27; 150pp; English
 |-----|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGR
 Goeke B;
 Found using 'seq4' (mohamed337.key)
 96DE-01037230.
 97WO-EP002930.
 96DE-01022502
 (revised)
(first entry)
 Hoffmann E, Goeke R,
 WPI; 1998-042119/04.
 Heloderma horridum.
 Sequence 30 AA;
 Modified-site
Modified-site
 Modified-site
 WO9746584-A1
 05-JUN-1997;
 05-JUN-1996;
 25-MAR-2003
05-JUN-1998
 13-SEP-1996;
 11-DEC-1997
 AAW39369;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 2005 13:19 Type: P Check: 5394
 aaw39371; H. horridum exendin-3 peptide derivative #14. (from "seq4ags.pep")
TOIG of: aaw39371 check: 5072 from: 1 to: 30
 H. horridum exendin-3 peptide derivative #14.
 /note= "C-terminal amide"
 Location/Qualifiers
 /note= "Norleucine"
 AAW39371 standard; peptide; 30 AA
 (BOEF) BOEHRINGER MANNHEIM GMBH.
 Claim 2; Page 28; 150pp; English.
 HSDGTFTSDLSKQXEEEAVRLFIEWLKNGR
 AAW39370 Length: 30 February 4, Found using 'seq4' (mohamed337.key)
 97WO-EP002930.
 96DE-01022502.
96DE-01037230.
 97WO-EP002930
 do not induce hypoglycaemia.
 (revised)
(first entry)
 WPI; 1998-042119/04.
 match found in sequence:
 Heloderma horridum.
 correct PR field.)
 Sequence 30 AA;
 Key
Modified-site
 Modified-site
 05-JUN-1997;
 05-JUN-1997;
 05-JUN-1996;
13-SEP-1996;
 WO9746584-A1
 11-DEC-1997.
 25-MAR-2003
05-JUN-1998
 ŭ
 AAW39371;
 Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a clonger lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
 Truncated versions of exendin peptide(s) for treating diabetes - increass secretion and biosynthesis of insulin, but reduce those of glucagon, and
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 Check: 5604
 match found in sequence:
aaw39370; H. horridum exendin-3 peptide derivative #13.
(from "seq4ags.pep")
 AAW39369 Length: 30 Pebruary 4, 2005 13:19 Type: P
ound using 'seq4' (mohamed337.key)
 H. horridum exendin-3 peptide derivative #13
 /note= "C-terminal OH group"
 from: 1
 Location/Qualifiers
 note= "Norleucine"
 AAW39370 standard; peptide; 30 AA
 Claim 2; Page 27; 150pp; English.
 (BOEF) BOEHRINGER MANNHEIM GMBH
 HSDGTFTSDLSKQXEEEAVRLFIEWLKNGY
 Goeke B;
 96DE-01037230.
 97WO-EP002930
 96DE-01022502
 do not induce hypoglycaemia.
 check: 5394
 /label= Nle
 (first entry)
 Goeke R,
 (revised)
 WPI; 1998-042119/04.
 Heloderma horridum.
 Seguence 30 AA;
 TOIG of: aaw39370
 Key
Modified-site
 Found using 'seq4'
 Modified-site
 WO9746584-A1
WO9746584-A1
 05-JUN-1997;
 13-SEP-1996;
 25-MAR-2003
05-JUN-1998
 05-JUN-1996;
 Hoffmann E,
 11-DEC-1997.
 11-DEC-1997
 AAW39370;
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seq4\_ags.res

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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Secondaria and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 4, 2005 13:19 Type: P Check: 5358
 aaw39383 ; H. horridum exendin-3 peptide derivative #26.
 H. horridum exendin-3 peptide derivative #26.
 to: 30
 /note= "C-terminal amide"
 check: 5370 from: 1
 Location/Qualifiers
 /label= Nle
/note= "Norleucine"
 AAW39383 standard, peptide; 30 AA
(BOEF) BOEHRINGER MANNHEIM GMBH.
 Claim 2; Page 28; 150pp; English.
 (BOEF) BOEHRINGER MANNHEIM GMBH.
 HADGTFTSDLSKOXEEEAVRLFIEWLKNGR
 B)
 AAW39378 Length: 30 February 4, Found using 'seq4' (mohamed337.key)
 97WO-EP002930
 96DE-01022502
 96DE-01037230
 Goeke
 (first entry)
 (revised)
 Goeke R,
 ď
 1 match found in sequence:
 WPI; 1998-042119/04.
 Heloderma horridum.
 correct PR field.)
 (from "seq4ags.pep")
TOIG of: aaw39383 c
 Sequence 30 AA;
 Key
Modified-site
 Modified-site
 25-MAR-2003
05-JUN-1998
 05-JUN-1997;
 WO9746584-A1
 05-JUN-1996;
 13-SEP-1996;
 Hoffmann E,
 Hoffmann B,
 11-DEC-1997.
 AAW39383;
LXBXBXAXAXAXAX111114X8XXXXXXXXX
 Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower doses, more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR Field.)
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
 exendin 4, diabetes; insulin; secretion; biosynthesis;
 30 February 4, 2005 13:19 Type: P Check: 5072 (mohamed337.key)
 glucagon reduction; hypoglycaemia; glucose; treatment
 match found in sequence:
aaw39378 ; H. horridum exendin-3 peptide derivative #21.
 H. horridum exendin-3 peptide derivative #21.
 /note= "C-terminal amide"
 check: 5358 from: 1
 Location/Qualifiers
 /note= "Norleucine"
 AAW39378 standard; peptide; 30 AA
 (BOEF) BOEHRINGER MANNHEIM GMBH
 Claim 2; Page 28; 150pp; English
 |-----|
|HSDGTFTSDLSKQAEEEAVRLFIEWLKNGR
 Goeke B;
 96DE-01037230.
 96DE-01022502.
96DE-01037230.
96DE-01022502
 97WO-EP002930
 label= Nle
 (revised)
(first entry)
 Goeke R,
 WPI; 1998-042119/04.
 Heloderma horridum.
 AAW39371 Length: 30 Found using 'seq4' (mo
 from "seq4ags.pep"
OIG of: aaw39378
 Sequence 30 AA;
 Key
Modified-site
 Modified-site
05-JUN-1996;
13-SEP-1996;
 05-JUN-1997;
 05-JUN-1996;
13-SEP-1996;
 WO9746584-A1
 Hoffmann E,
 25-MAR-2003
05-JUN-1998
 11-DEC-1997
 Exendin-3;
 AAW39378;
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isolated from Heloderma horridum which are used in a movel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4
 AAW39383 Length: 30 February 4, 2005 13:19 Type: P Check: 5370 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aaw39393 ; H. horridum exendin-3 peptide derivative #36.
 horridum exendin-3 peptide derivative #36.
 to: 30
 /note= "C-terminal amide"
 from: 1
 Location/Qualifiers
 /note= "Norleucine"
 AAW39393 standard; peptide; 30 AA.
 Claim 2; Page 28; 150pp; English
 (BOEF) BOEHRINGER MANNHEIM GMBH
 HGDGTFTSDLSKQXEEEAVRLFIEWLKNGR
 Goeke B;
 96DE-01037230.
 97WO-EP002930
 96DE-01022502
 /label= Nle
 check: 5396
 (revised)
(first entry)
 Goeke R,
 WPI; 1998-042119/04.
 WPI; 1998-042119/04
 Heloderma horridum
 (from "seq4ags.pep"
TOIG of: aaw39393
 Sequence 30 AA;
 Modified-site
 Modified-site
 WO9746584-A1
 05-JUN-1997;
 13-SEP-1996;
 25-MAR-2003
05-JUN-1998
 05-JUN-1996;
 11-DEC-1997.
 Hoffmann E,
 AAW39393;
 Key
 XHXLXHXHXXHXXGXHLLLLLLLXHXXGXHXHXHXX
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hyposlycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
 AAW39393 Length: 30 February 4, 2005 13:19 Type: P Check: 5396 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aaw39397; H. horridum exendin-3 peptide derivative #40.
(from "seq4ags.pep")
TOIG of: aaw3937 check: 5063 from: 1 to: 30
 H. horridum exendin-3 peptide derivative #40
 /note= "C-terminal amide"
 Location/Qualifiers
 AAW39397 standard; peptide; 30 AA
 Claim 2; Page 29; 150pp; English.
 (BOEF) BOEHRINGER MANNHEIM GMBH.
 Claim 2; Page 29; 150pp; English
 |-----|
HTDGTFTSDLSKQXEEEAVRLFIEWLKNGR
 Goeke B;
 96DE-01022502.
96DE-01037230.
 97WO-EP002930
 do not induce hypoglycaemia.
 (revised)
(first entry)
 Hoffmann E, Goeke R,
 WPI; 1998-042119/04.
 Heloderma horridum.
 correct PR field.)
 Sequence 30 AA;
 Key
Modified-site
 05-JUN-1997;
 05-JUN-1996;
 13-SEP-1996;
 WO9746584-A1
 25-MAR-2003
05-JUN-1998
 11-DEC-1997.
 AAW39397;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connentially than full length versions. (Updated on 25-MAR-2003 to
 8 \pm 6 ```

Sequence 30 AA;

AAW39397 Length: 30 February 4, 2005 13:19 Type: P Check: 5063 ound using 'seq4' (mohamed337.key) Found using 'seq4'

HSAGTFTSDLSKQAEEEAVRLFIEWLKNGR

l match found in sequence:
aaw33938; H. horridum exendin-3 peptide derivative #41.
(from "seq4ags.pep")
TOIG of: aaw39388 check: 4977 from: 1 to: 30 1 match

AAW39398 standard; peptide; 30 AA

AAW39398;

(first entry) (revised) 25-MAR-2003 05-JUN-1998 H. horridum exendin-3 peptide derivative #41.

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO9746584-A1

11-DEC-1997

97WO-EP002930. 05-JUN-1997; 96DE-01022502. 96DE-01037230. 05-JUN-1996; 13-SEP-1996; (BOEF) BOEHRINGER MANNHEIM GMBH

Goeke B;

Goeke R,

Hoffmann E,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 29; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high,

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so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                     8888888
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Sequence 30 AA;

2005 13:19 Type: P Check: 4977 AAW39398 Length: 30 February 4, Found using 'seq4' (mohamed337.key) AAW39398

|-----| HSDGAFTSDLSKQAEEEAVRLFIEWLKNGR 28

match found in sequence: aaw39400; H. horridum exendin-3 peptide derivative #43. (from "seq4ags.pep") TOIG of: aaw39400 c

; to

check: 5186 from: 1

AAW39400 standard; peptide; 30 AA.

AAW39400;

(revised)
(first entry) 25-MAR-2003 05-JUN-1998

H. horridum exendin-3 peptide derivative #43.

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum

/note= "C-terminal amide" Location/Qualifiers 30 Modified-site

WO9746584-A1

11-DEC-1997.

97WO-EP002930. 05-JUN-1997; 96DE-01022502. 96DE-01037230. 13-SEP-1996; 05-JUN-1996;

(BOEF) BOEHRINGER MANNHEIM GMBH.

ď Hoffmann E,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 29; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hyposlycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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                                               AAW39400 Length: 30 February 4, 2005 13:19 Type: P Check: 5186 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                           1 match found in sequence:
aaw39401 ; H. horridum exendin-3 peptide derivative #44.
                                                                                                                                                                                                                                                                                                                                                                             H. horridum exendin-3 peptide derivative #44.
                                                                                                                                                                                                                                to: 30
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30
/note= "C-terminal amide"
                                                                                                                                                                                                                                from: 1
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                                                                                                              HSDGTYTSDLSKQAEEEAVRLF1EWLKNGR
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96DE-01037230.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                AAW39401 standard; peptide;
                                                                                                                                                                                                                                check: 5090
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TOIG of: aaw39401 c
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                 Sequence 30 AA;
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05-JUN-1998
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                                                                                                                                                                                                                                                                                             AAW39401;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to

Claim 2; Page 30; 150pp; English.

AAW39402 Length: 30 February 4, 2005 13:19 Type: P Check: 5065 Found using 'seq4' (mohamed337.key)

correct PR field.)

Sequence 30 AA;

HSDGTFSSDLSKQAEEEAVRLFIEWLKNGR 1

1 match found in sequence:

AAW39401 Length: 30 February 4, 2005 13:19 Type: P Check: 5090 Found using 'seq4' (mohamed337.key)

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peptide(s) for treating diabetes - increase insulin, but reduce those of glucagon, and
                                                                                                                                                                             Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                      aaw39402 ; H. horridum exendin-3 peptide derivative #45.
                                                                                                                                                           H. horridum exendin-3 peptide derivative #45
                                                                                                                                                                                                                                              /note= "C-terminal amide"
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το
                                                                         from: 1
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                                                                                           AAW39402 standard; peptide; 30 AA
|-----HSDGTITSDLSKQAEEEAVRLFIEWLKNGR
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                                                                                                                                                                                                                                                                                                                                                                                                           Truncated versions of exendin
secretion and biosynthesis of
                                                                                                                                                                                                                                                                                                                        96DE-01022502.
96DE-01037230.
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                                                                                                                                                                                                                                                                                                                                                                                                                               do not induce hypoglycaemia.
                                                                         check: 5065
                                                                                                                                         (first entry)
                                                                                                                                 (revised)
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                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1998-042119/04.
                                            1 match found in sequence:
                                                                                                                                                                                                         Heloderma horridum
                                                               (from "seq4ags.pep")
TOIG of: aaw39402 c
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Modified-site
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05-JUN-1998
                                                                                                                                                                                                                                                                                    11-DEC-1997.
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the isolated freatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-WAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                     Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                              H. horridum exendin-3 peptide derivative #49.
                                                                                                                                                                                                                                                                   Location/Qualifiers
30
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 2; Page 30; 150pp; English.
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                                              (revised)
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TOIG of: aaw39407 c
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Modified-site
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                                          25-MAR-2003
05-JUN-1998
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AAW39406;
Peptides AW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a clonger lasting effect. Truncated forms of this peptide can be made more connentially than full length versions. (Updated on 25-WAR-2003 to
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aaw33406; H. horridum exendin-3 peptide derivative #49.
(from "seq4ags.pep")
TOIG of: aaw33406 check: 5081 from: 1 to: 30
aaw39404 ; H. horridum exendin-3 peptide derivative #47.
                                                                                                                                                                                                                                                 H. horridum exendin-3 peptide derivative #47.
                                            to: 30
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                                            from: 1
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                                                                                      AAW39404 standard; peptide; 30 AA
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                       (from "seq4ags.pep")
TOIG of: aaw39404 check: 5080
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05-JUN-1998
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AAW39406 Length: 30 February 4, 2005 13:19 Type: P Check: 5081 Found using 'seq4' (mohamed337.key)
                                                                                                                        1 match found in sequence:
aaw39407 ; H. horridum exendin-3 peptide derivative #50.
                                                                                                                                                                                                                                                                                                           H. horridum exendin-3 peptide derivative #50.
                                                                                                                                                                      to: 30
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                                                            HSDGTFTSELSKOAEEEAVRLFIEWLKNGR
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(first entry)
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05-JUN-1998
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AAW39406 standard; peptide; 30 AA.

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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                     Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
           Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw39408 ; H. horridum exendin-3 peptide derivative #51.
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96DE-01037230.
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                                                            Heloderma horridum,
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TOIG of: aaw39408 c
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Modified-site
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GIPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
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aaw33409; H. horridum exendin-3 peptide derivative #52.
(from "seq4ag.pep")
TOIG of: aaw39409 check: 4931 from: 1 to: 30
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                              /note= "C-terminal amide"
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Location/Qualifiers
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96DE-01037230.
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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WPI; 1998-042119/04.
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    BX1XBXBXBXBX1143X8XEXBX14XXXXBX
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TOIG of: aaw39410 c
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05-JUN-1998
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PR X P X P X T T T T X S X X X X E X T T X X X X B X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                       Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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(from "seq4ags.pep")
TOIG of: aaw39411 check: 5012 from: 1 to: 30
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(BOEF ) BOEHRINGER MANNHEIM GMBH.
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96DE-01037230.
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                                                               Goeke R,
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13-SEP-1996;
                                                               Hoffmann E,
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
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             Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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aaw39415 ; H. horridum exendin-3 peptide derivative #58.
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Found using 'seq4' (mohamed337.key)
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96DE-01037230.
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TOIG of: aaw39415
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Claim 2; Page 30; 150pp; English.

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate bloosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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aaw39416 ; H. horridum exendin-3 peptide derivative #59.
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TOIG of: aaw39416 check: 5490 from: 1
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correct PR field.)

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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| aaw39417 ; H. horridum exendin-3 peptide derivative #60.
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TOIG of: aaw39417 c
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
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                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
                                                               Type: P Check: 5371
                                                                                                                                                                                                                                                                                                                                                                                                                                               glucagon reduction; hypoglycaemia; glucose; treatment
                                                                                                                                                                                                 1 match found in sequence:
aaw39420 ; H. horridum exendin-3 peptide derivative #63.
                                                                                                                                                                                                                                                                                                                                                                                                 H. horridum exendin-3 peptide derivative #63.
                                                                                                                                                                                                                                                 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                               AAW39417 Length: 30 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                  (from "seq4ags.pep")
TOIG of: aaw39420 check: 5394 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note= "Norleucine"
                                                                                                                                                                                                                                                                                  AAW39420 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (BOEF ) BOEHRINGER MANNHEIM GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 2; Page 31; 150pp; English.
                                                                                                                 |-----|
|HSDGTFTSDLSKQAEBBAVRLFVEWLKNGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              96DE-01022502.
96DE-01037230.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /label= Nle
                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                 (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hoffmann E, Goeke R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1998-042119/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma horridum
                                  Sequence 30 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               05-JUN-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO9746584-A1
                                                                                                                                                                                                                                                                                                                                               25-MAR-2003
05-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-JUN-1996;
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                                                                                                                                                                                                                                                                                                                  AAW39420;
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AAW47549 describes a generic exendin agonist, provided that it does have the formula of either exendin-3 (AAW47608) or exendin-4 (AAW47609).

Exendin agonists, which reduce gastric motility and delay gastric emptying, can be used to treat spassm (where associated with acute diverticulatis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. They can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some agonists and have been suggested (USS4224286) for treatment of diabetes and prevention of hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist, gastric motility, gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom; exendin-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
Check: 5394
   Type: P
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                                                                                                                                                                                                                                                                                                                                                                         to: 39
AAW39420 Length: 30 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                     check: 9591 from: 1
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39
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                                                                                                                                                                                                                                                                                                                                                                                                                                       AAW47608 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "amidated"
                                                                                                                                HSDGTFTSDLSKQXEEEAVRLF1EWLKNGR
                                                                                                                                                                                                                                                                . match found in sequence: aaw47608 ; Gila monster exendin-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97WO-US014199
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gila monster exendin-3.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1998-145351/13.
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                                                                                                                                                                                                                                                                                                                                      n "seq4ags.pep"
of: aaw47608
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAW47608;
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AAW47549 describes a generic exendin agonist, provided that it does have the formula of either exendin-3 (AAW47609) or exendin-4 (AAW47609).

Exendin agonists, which reduce gastric motility and delay gastric emptying, can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), posepyrandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              passing into the intestines, then the stomach pumped) and obesity. They can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (USS424286) for treatment of diabetes and prevention of hyperglycaemia
                                                                                                                                                                                                                                                                                              Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Beeley NRA, Prickett KS,
                                                                                                                       to: 39
HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 20 and 21; Fig 1; 70pp; English
                                                                                                                       check: 9570 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "amidated"
                                                                                                                                                        AAW47609 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                       Gila monster venom; exendin-4.
                                                                  96US-00694954.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97WO-US014199
                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                 Gila monster exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA, Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                        Heloderma suspectum.
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                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-AUG-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-FEB-1998.
                                                                                                                                                                                           AAW47609;
                                                                   1 match
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Type: P Check: 9570

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

AAW47608 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

AAW47609 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

seq4_ags.res

(first entry)

29-MAR-1999

Fri Feb

28

match

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Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
 aaw61769 ; Exendin-3, for use in treating disorders related to food intake.
(from "seq4ags.pep")
TOIG of: aaw61769 check: 9591 from: 1 to: 39
                                                                                             Exendin-3, for use in treating disorders related to food intake.
                                                                                                                                                                                                                                                                        ŝ
                                                                                                                                                                                                                                                                        Bhavsar
                                           AAW61769 standard; peptide; 39 AA
                                                                                                                                                                                                                   97US-0055404P.
97US-0065442P.
97US-0066029P.
                                                                                                                                                                                           98WO-US000449
                                                                                                                                                                                                            97US-0034905P
                                                                             (first entry)
                                                                                                                                                                                                                                                                        Prickett KS,
                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
found in sequence:
                                                                                                                                        Heloderma horridum
                                                                                                                                                         WO9830231-A1
                                                                                                                                                                                           07-JAN-1998;
                                                                                                                                                                                                             17-JAN-1997;
                                                                            29-MAR-1999
                                                                                                                                                                                                                    08-AUG-1997;
14-NOV-1997;
                                                                                                                                                                                                                                     14-NOV-1997;
                                                                                                                                                                                                                                                                         Beeley NRA,
                                                                                                                                                                          16-JUL-1998
                                                            AAW61769;
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uoing food intake by administering exendin(s) or their analogue(s) treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance Reducing

WPI; 1998-398796/34.

Claim 16, 24; Page 8; 214pp; English

The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model): The present sequence is that of exendin-3 which is one of the preferred compounds for use in the method

Sequence 39 AA;

AAW61769 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

Type: P Check: 9591

HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS

match found in sequence: aaw61770; Exendin-4, for use in treating disorders related to food intake. (from "seq4ags.pep") TOIG of: aaw61770 check: 9570 from: 1 to: 39

AAW61770 standard; peptide; 39 AA

AAW61770;

The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of exendin-4 which is one of the preferred compounds for use in the method 1 match found in sequence:
 aaw61771 ; Exemdin-4 (1-30) for use in treating disorders related to food inta
 (from "seq4ags.pep")
 TOIG of: aaw61771 check: 4889 from: 1 to: 30 Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist. Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist. Exendin-4 (1-30) for use in treating disorders related to food intake. Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance. Exendin-4, for use in treating disorders related to food intake. Check: 9570 Type: P |-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS AAW61770 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key) ŝ Claim 17, 25; Page 8; 214pp; English. Location/Qualifiers Bhavsar AAW61771 standard; peptide; 30 AA 97US-0034905P. 97US-0055404P. 97US-0065442P. 98WO-US000449. 97US-0066029P 29-MAR-1999 (first entry) Prickett KS, (AMYL-) AMYLIN PHARM INC. WPI; 1998-398796/34. Heloderma suspectum Heloderma suspectum Sequence 39 AA; WO9830231-A1 07-JAN-1998; 16-JUL-1998. 14-NOV-1997; 07-JAN-1997 08-AUG-1997 14-NOV-1997 Beeley NRA, AAW61771; Key HX S X M X E X L X Y X I I

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17-JAN-1998;
 1 match found in sequence:
aaw61772 ; Exendin-4 (1-28) amide for use in treating disorders related to foo
                                                                                                                                                                                                                                                                             The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises amplicated and nor an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of exendin-4 (1-30) or its amide which is one of the preferred compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                      keducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin-4 (1-28) amide for use in treating disorders related to food.
          /note= "optionally the C-terminal is in amide form"
                                                                                                                                                                                                                                                                                                                                                                                                                         AAW61771 Length: 30 February 4, 2005 13:19 Type: P Check: 4889
Found using 'seq4' (mohamed337.key)
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28
/note= "the C-terminal is in amide form"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 28
                                                                                                                                                                                                                                                           Claim 18, 26; Page 11; 214pp; English.
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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG
                                                                                             97US-0034905P.
97US-0055404P.
97US-0065442P.
97US-0066029P.
                                                                        98WO-US000449.
                                                                                                                                                                       Prickett KS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAR-1999 (first entry)
                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                            WPI; 1998-398796/34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq4ags.pep")
TOIG of: aaw61772
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Modified-site
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                                                                                                       08-AUG-1997;
14-NOV-1997;
14-NOV-1997;
                                                                        07-JAN-1998;
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                               WO9830231-A1
                                                                                              07-JAN-1997;
                                                    16-JUL-1998
                                                                                                                                                                         MRA,
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, ating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of exendin-4 (1-28) amide which is one of the preferred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin, obesity, type II diabetes, eating disorders, cardiac disease, insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                                                                                                                                                        Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
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    aaw61773 ; Leu(14), Phe(25)-exendin-4 amide, for reducing food intake.
    (from "seq4ags.pep")
    TOIG of: aaw61773 check: 9131 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW61772 Length: 28 February 4, 2005 13:19 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 18, 26; Page 12; 214pp; English.
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39
                                                                                                                                                                                                                                                             Bhavsar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW61773 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          compounds for use in the method
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HGEGTFTSDLSKQMEEEAVRLFIEWLKN
1
                                                  97US-0034905P.
97US-0055404P.
97US-0065442P.
97US-0066029P.
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97US-0055404P.
97US-0065442P.
97US-0066029P.
98WO-US000449
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                                                                                                                                                                                                                                                          Prickett KS,
                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                WPI; 1998-398796/34.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Key
Modified-site
                                                                             08-AUG-1997;
14-NOV-1997;
14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-JAN-1997;
08-AUG-1997;
14-NOV-1997;
14-NOV-1997;
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                                                     07-JAN-1997;
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                                                                                                                                                                                                                                                          Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-JUL-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAW61773;
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Fri Feb

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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of an exendin-4 variant which is one of the preferred
                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
   aaw61774 ; Leu(14). Phe(25)-exendin-4 (1-28) amide, for reducing food intake.
   (from "seq4ags.pep")
   TOIG OE: aaw61774 check: 261 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                         ucing food intake by administering exendin(s) or their analogue(s) treatment of e.g. obesity, type II diabetes, eating disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Leu(14), Phe(25)-exendin-4 (1-28) amide, for reducing food intake.
                                                                                                                                                                                                                                                                                   Check: 9131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "the C-terminal is in amide form"
                                                                                                                                                                                                                                                                                 AAW61773 Length: 39 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                    Claim 18, 26; Page 12; 214pp; English.
                               Bhavsar S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bhavsar S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                            AAW61774 standard; peptide; 28 AA
                                                                                                                                                                                                                                       compounds for use in the method
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97US-0065442P.
97US-0066029P.
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                               Prickett KS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-MAR-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Prickett KS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
           (AMYL-) AMYLIN PHARM INC.
                                                                         Reducing food intake by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1998-398796/34.
                                                    WPI; 1998-398796/34
                                                                                                insulin resistance.
                                                                                                                                                                                                                                                               Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9830231-A1
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                               NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-NOV-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
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                               Beeley
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of an exendin-4 variant which is one of the preferred compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin, obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     or their analogue(s) eating disorders and
Reducing food intake by administering exendin(8) or their analogue(8) for treatment of e.g. obesity, type II diabetes, eating disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW61774 Length: 28 February 4, 2005 13:19 Type: P Check: 261 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "the C-terminal is in amide form"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aaw61775 ; Leu(14), Ala(22), Phe(25)-exendin-4 (1-28) amide.
(from "seq4ags.psp")
TOIG of: aaw61775 check: 151 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Reducing food intake by administering exendin(8) for treatment of e.g. obesity, type II diabetes, insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Leu(14), Ala(22), Phe(25)-exendin-4 (1-28) amide.
                                                                                                                   Claim 18, 26; Page 12; 214pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 18, 26; Page 12; 214pp; English.
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28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW61775 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97US-0034905P.
97US-0055404P.
97US-0065442P.
97US-0066029P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1998-398796/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma suspectum
                                                           insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO9830231-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-JAN-1997;
08-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-JUL-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW61775;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Found using
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Heloderma suspectum proexendin, exendin N-terminal peptide, ENTP; sexendin 4 peptide, exendin 3 gene; Heloderma horridum; metabolic disease; drug screening; endocrine tumour; organ failure; cell metabolism; diabetes; reptilian venom peptide.
         The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of an exendin-4 variant which is one of the preferred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New nucleic acid encoding proexendin - used to diagnose and treat, e.g. endocrine tumours, also to treat poisoning by reptile venom.
                                                                                                                                                                                                               AAW61775 Length: 28 February 4, 2005 13:19 Type: P Check: 151
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 46. .47
/note= "Dipeptidyl peptidase cleavage site"
                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aaw70288; Heloderma suspectum proexendin peptide.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. .23
/note= "Signal peptide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma suspectum proexendin peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                        check: 973 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "Exendin 4"
                                                                                                                                                                                                                                                                                                                                                                                                                       AAW70288 standard; protein; 87 AA
                                                                                                                                                                                                                                                                |-----|
HGEGTFTSDLSKQLEEEAVRLAIEFLKN
1
                                                                                                                                                  compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 3; Fig 2; 26pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1. .47
/note= "ENTP"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-1998 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1998-447230/38.
N-PSDB; AAV33163.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Heloderma suspectum.
                                                                                                                                                                                    Sequence '28 AA;
                                                                                                                                                                                                                                                                                                                                                                                        TOIG of: aaw70288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cleavage-site
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07-PEB-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW70288;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peptide
                                                                                                                                                                                                                                                                                                                                           1 match
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dipeptidy] peptidate cleavage site. The proexendin CDNA can be used to close or identify related sequences (e.g. the exendin 3 gene of Heloderma horridum, mutent alleles and proexendin gene regulatory defects associated with metabolic disease) and species homologues (e.g. for developing animal models for drug screening). The proexendin peptide can be used to raise antibodies. Anti-proexendin antibodies are claimed to be useful for diagnosing conditions associated with altered levels of proexendin (e.g. endocrine tumours and organ failure), for identifying other regulators of cell metabolism, in drug screens and for treating metabolic diseases (e.g. diabetes) and for neutralising, or detecting, reptilian venom peptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The peptides are of the formula Xaal-Xaa2-Xaa3-Gly-Thr-Xaa4-Xaa4-Xaa8-Ser-Lys-Gln-Xaa9-Glu-Glu-- Glu-Ala-
The Heloderma suspectum proexendin peptide is encoded by its cDNA which was isolated from a H. suspectum salivary gland cDNA library. The proexendin protein comprises of a novel exendin N-terminal peptide (ENTP) linked to the N-terminus of the exendin 4 peptide by a consensus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                            MKIILWLCVFGLFLATLFPISWQMPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQ
48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological; generic.
                                                                                                                                                                                                                                                                                                                                   Type: P Check: 973
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                                                                                                                                                                                                                                                                                                                                     AAW70288 Length: 87 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
aay03717 ; Amino acid sequence of exendin-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check: 9591 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq4ags.pep")
TOIG of: aay03717 c
                                                                                                                                                                                                                                                                                                  Sequence 87 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Key
Modified-site
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     888888888888888888888888888888888888
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Gly-Ala. Xaal5-Xaal6. Xaal9-Z; wherein: Xaal 18 His, Arg or Tyr; Xaa2 is Ser, Gly, Ala. Or Thr; Xaa3 is Asp or Glu; Xaa4 is Phe, Tyr, or napthylalanine; Xaa5 is Thr or Ser, Xaa6 is Ser or Thr; Xaa7 is Asp or Glu; Xaa4 is Phe, Tyr, or napthylalanine; Xaa5 is Thr or Ser, Xaa6 is Ser or Thr; Xaa7 is Asp or Glu; Xaa8 is Leu, Ile, Val, pencylglycine, or Met; Xaa9 is Leu, Ile, Ile, Val, Dencylglycine, or Met; Xaa1 is Sep or Asp; Xaa13 is Trp, Phe, Tyr, or napthylalanine; Xaa11 or Asp; Xaa13 is Trp, Phe, Tyr, on napthylalanine; Xaa14, Xaa15, Xaa16, and Xaa17 are independently Pro, homoproline, 3Hyp, 4Hyp, thioproline, or Tyr; and Z is -OH or -NH2 with the proviso that the sequence and Asy03718. The specification claims for a second peptide of the above formula where Xaa1
                                                                                                                                                                                                                                                                                                                                                                                                           is His, Arg, Tyr or 4-imidazopropionyl. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents und agent in delaying and disorders which would be benefited by agents emptying in diagnostic along gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. The present sequence represents the amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence of exendin-3
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Sequence 39 AA;

AAY03717 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

. match found in sequence:
aay03718 ; Amino acid sequence of exendin-4.
 (from "seq4ags.pep")
 TOIG of: aay03718 check: 9570 from: 1 to AAY03718 standard; peptide; 39 AA CCXSXXLXBXBXBXBXBXLLLLLLXBXXBXBXBXBXBXCCCCC

to: 39

AAY03718;

08-JUN-1999 (first entry)

Amino acid sequence of exendin-4.

Exendin, agonist, diabetes, disorder, plasma glucose, gastric, diagnostic, gastro-intestinal, radiological, generic.

Synthetic.

39 /note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9907404-A1

18-FEB-1999

98WO-US016387. 06-AUG-1998;

97US-0055404P 08-AUG-1997;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Beeley NRA,

WPI; 1999-180403/15.

New exendin agonists - useful in the treatment of Type I and II diabetes.

Disclosure; Fig 3; 70pp; English.

The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The peptides are of the formula Xaal-Xaa2-

Carl Again - Kaal - Kaal - Kaal - Lay - Mandon sequence of exendin-4

Sequence 39 AA;

Check: 9570 AAY03718 Length: 39 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEERAVRLFIEWLKNGGPSSGAPPPS

; to: check: 249 from: 1 l match found in sequence:
aay17536 ; Exendin agonist peptide #2. (from "seq4ags.pep" TOIG of: aay17536

28

AAY17536 standard; peptide; 28 AA AAY17536;

09-AUG-1999 (first entry)

Exendin agonist peptide #2.

diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying monster; venom; lizard; sp; Gila Exendin; agonist; Heloderma diabetes mellitus type I; di

Heloderma sp. Synthetic.

WO9925728-A1

27-MAY-1999.

98WO-US024273 13-NOV-1998; 97US-0066029P. 14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

WPI; 1999-347456/29.

Beeley NRA, Prickett KS;

Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.

Claim 28; Fig 4; 144pp; English.

AAY17535 to AAY17624 represent exendin peptide agonists. Exendins a peptides that are found in the venom of the Gila-monster, a lizard

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match found in sequence
                                                                      8XCCCCCCCX8X44X8X1X4X4X4X6X8XX8X8X8X8XXX8XX
endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                           AAY17536 Length: 28 February 4, 2005 13:19 Type: P Check: 249
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                            from: 1
                                                                                                                                                                                                                                                                                       AAY17540 standard; peptide; 28 AA
                                                                                                                                                                                                                                   aay17540 ; Exendin agonist peptide #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 28; Fig 4; 144pp; English.
                                                                                                                                                               HGAGTFTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            97US-0066029P
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diabetes mellitus type I; di
                                                                                                                                                                                                                                                            check: 688
                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide #6
                                                                                                                                                                                                                                                                                                                                           09-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Prickett KS;
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                                                                                                                                                                                                                   1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-347456/29
                                                                                                                                                                                                                                              from "seq4ags.pep"
OIG of: aay17540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma sp
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                     Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                    to: 28
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                                                    from: 1
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aay1/603; Exendin agonist peptide #69.
(from "seq4ags.pep")
TOIG of: aay1/603 check: 5882 from:
aay17543 ; Exendin agonist peptide #9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 28; Fig 4; 144pp; English.
                                                                                                         AAY17543 standard; peptide; 28
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                                                    check: 590
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                              (from "seq4ags.pep")
TOIG of: aay17543 c
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                                                                                                                                                           AAY17543;
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|------| HGAGTFTSDLSKQMEEEAVRLFIEWLKN 1

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check: 9574
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
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WPI; 1999-347456/29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 32 AA;
                                                                                                                                                                                                                                                        (from "seq4ags.pep"
TOIG of: aay17612
                                                                                                                                         Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                           Heloderma sp
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                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                     AAY17612;
                                                                                                                                                                                                                                                                                   AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                        Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                Type: P Check: 5882
                                                                                                                                                                                                                                                                                                                                                                                                                      to: 35
                                                                                                                                                                                                                                                                                                                AAY17603 Length: 38 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                    HGAGTETSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
                                                                                                                                                                                   diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                                     aay17608 ; Exendin agonist peptide #74
                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY17608 standard; peptide; 35 AA
                                                                                                                                                                                                     Claim 28; Fig 4; 144pp; English.
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                                                                               98WO-US024273
                                                                                                 97US-0066029P
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                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
                                                                                                                                                        WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                                                                                               rom "seq4ags.pep"
IG of: aay17608
                                                                                                                                                                                                                                                                                                  Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma sp.
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                        Heloderma sp.
                                                                               13-NOV-1998;
                                                                                                   14-NOV-1997;
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                                          WO9925728-A1
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                                                                                                                                      Beeley NRA,
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                Synthetic.
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                     AAY17535 to AAX17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
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Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY17608 Length: 35 February 4, 2005 13:19 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
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                                                     diabetes and hypo- or hyper-glycemia.
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aay17612 ; Exendin agonist peptide #78
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                                                                                                                                          Claim 28; Fig 4; 144pp; English.
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seq4_ags.res

AAY17616;

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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are epptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Maxico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on hypoglycaemia. They can lize the agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                    Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     aay24809 ; Exendin agonist peptide #1.
(from "seq4ags.pep")
TOIG of: aay24809 check: 4889 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 28; Fig 4; 144pp; English.
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                                                                                Exendin agonist peptide #86.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 35 AA;
                                      09-AUG-1999
                                                                                                                                                                                                                              Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                     13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                              14-NOV-1997;
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                                                                                                                                                                                                                                                                   WO9925728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beeley NRA,
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                                                                                                                                                                                                                                                                                                              27-MAY-1999.
                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
AAY17620;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY24809;
BXBXSSXXXXXXXXXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY17616 Length: 38 February 4, 2005 13:19 Type: P Check: 7457 Found using 'seq4' (mohamed337.key)
                   Check: 9574
                   Type: P
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                                                                                                                                                                                                                                                to: 38
               AAY17612 Length: 32 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       check: 7441 from: 1
                                                                                                                                                                                                                                                check: 7457 from: 1
                                                                                               HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
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aay1/620; Exendin agonist peptide #86.
(from "seq4ags.pep")
TOIG of: aay1/620 check: 7441 from:
                                                                                                                                                                                                         aay17616 ; Exendin agonist peptide #82.
                                                                                                                                                                                                                                                                                         AAY17616 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 28; Fig 4; 144pp; English.
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                                                                                                                                                                                                                                                                                                                                                                         09-AUG-1999 (first entry)
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                                                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aay17616
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9925728-A1
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WO9925727-A2

27-MAY-1999.

AAY17620 standard; peptide; 35 AA

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in retainment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New exendin agonist peptides - can regulate gastric motility and slow
                                                                                                                    New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                              AAY24809 Length: 30 February 4, 2005 13:19 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                    l match found in sequence:
aay24810; Exendin agonist peptide #2.
(from "seq4ags.pep")
TOIG of: aay24810 check: 700 from:
                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKQMBEBAVRLFIEWLKNGG
1
                                                                                                                                                     Claim 18; Fig 4; 108pp; English
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           98WO-US024210
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                                 97US-0065442P
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                                                      (AMYL-) AMYLIN PHARM INC
                                                                           Prickett KS,
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                                                                                                 WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                           Sequence 30 AA;
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           13-NOV-1998;
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                                 14-NOV-1997;
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                                                                            Beeley NRA,
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AMY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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gastric emptying, used for treating, e.g. diabetes.
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aay24811; Exemidin agonist peptide #3.
[fcom "seq4ags.pep",
TOIG of: aay24811 check: 275 from:
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                                                                        Claim 18; Fig 4; 108pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQMEEEAVRLFIEWLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Found using 'seq4' (mohamed337.key
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
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Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Synthetic.

Exendin agonist peptide #5

(first entry)

24-AUG-1999

AAY24813;

28

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from: 1

check: 166

(from "seq4ags.pep") TOIG of: aay24813

match found in sequence: aay24813 ; Exendin agonist peptide #5.

AAY24813 standard; peptide; 28 AA

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II, hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.
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                                                                                                                  AAY24811 Length: 28 February 4, 2005 13:19 Type: P Check: 275 ound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                       match found in sequence:
aay24812; Exendin agonist peptide #4.
(from "seq4ags.pep")
TOIG of: aay24812 check: 263 from:
                                                                                                                                                                                                                                                                                                                                                                          AAY24812 standard; peptide; 28 AA
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HGEGTFTSDLSKQMEEEAVRLFIEFLKN
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                                                                                Sequence 28 AA;
                                                                                                                                        Found using 'seq4'
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Heloderma sp.
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the
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                                                                                                                                                                                                                                                                                                                                                                                                                                   New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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; seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 18; Fig 4; 108pp; English.
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28
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TOIG of: aay24814 o
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                                                                                                                                                                                             Heloderma sp
                                                                                                                                                                                                                                                                                    13-NOV-1998;
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HAEGTFTSDLSKQMEEEAVRLFIEFLKN 1

Found using 'seq4' (mohamed337.key)

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric mocility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric mocility and to slow gastric emptying, as evidenced by the ablity to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                  New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24816 ; Exendin agonist peptide #8.
[firom *eq4498.pep"]
TOIG of: aay24816 check: 151 from:
                                                                                                                                                                                                                                                                                                                                            Claim 18; Fig 4; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTADLSKOLEEEAVRLFIEFLKN
                                          98WO-US024210.
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                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                  Beeley NRA, Prickett KS;
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                                                                                       14-NOV-1997;
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                                             13-NOV-1998;
  27-MAY-1999.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                             Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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(from "seq4ags.pep")
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                       Exendin agonist peptide #6.
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                                                                                                                                                          Synthetic.
Heloderma sp.
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Heloderma sp.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and treatment of disorders which would be benefited by agents obe used for the prearment of disorders which would be disorders which lower plasma glucose levels and in treatment of disorders which lower
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New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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Found using 'seq4' (mohamed337.key)
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aay24817 ; Exendin agonist peptide #9.
                                                       Claim 18; Fig 4; 108pp; English
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TOIG of: aay24817
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
    the
hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                     AAY24817 Length: 28 February 4, 2005 13:19 Type: P Check: 63 Found using 'seq4' (mohamed337.key)
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                           1 match found in sequence:
    aay24818 ; Exendin agonist peptide #10.
    (from "seq4ags.pep")
    TOIG of: aay24818 check: 141 from: 1
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                                                                                                 Sequence 28 AA
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HGEGTFTSDLSAQLEEEAVRLFIEFLKN

Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp.

Synthetic.

WO9925727-A2

Exendin agonist peptide #12. 24-AUG-1999 (first entry)

98WO-US024210

(AMYL-) AMYLIN PHARM INC. Beeley NRA, Prickett KS; WPI; 1999-394773/33.

14-NOV-1997; 13-NOV-1998; 27-MAY-1999.

4 14:12:16 2005

Fri Feb

28

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-pandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                     to: 28
                                                     check: 53 from: 1
found in sequence:
19 , Exendin agonist peptide #11
                                                                                        AAY24819 standard; peptide; 28 AA
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                                                                                                                                                                                                Exendin agonist peptide #11.
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                    aay24819 ; Exendin ag
(from "seq4ags.pep")
TOIG of: aay24819 c
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Heloderma sp.
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                                                                                                                           AAY24819;
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ablity to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower blasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying

Sequence 28 AA;

New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.

Claim 18; Fig 4; 108pp; English

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Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
AAY24820 Length: 28 February 4, 2005 13:19 Type: P Check: 107 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                        check: 201 from: 1
                                                                                                                        match found in sequence:
aay24821 ; Exendin agonist peptide #13.
                                                                                                                                                                                                      AAY24821 standard; peptide; 28 AA
                                                         HGEGTFTSDLSKQAEERAVRLFIEFLKN
                                                                                                                                                                                                                                                                                               Exendin agonist peptide #13.
                                                                                                                                                                                                                                                                 24-AUG-1999 (first entry)
                                                                                                                                                          (from "seq4ags.pep"
TOIG of: aay24821
                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9925727-A2
                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                     AAY24821;
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to: 28

from: 1

aay24820; Exendin agonist peptide #12. (from "seq4ags.pep")
TOIG of: aay24820 check: 107 from: 1

1 match found in sequence:

HGEGTFTSDLSKALEEEAVRLFIEFLKŇ

AAY24820 standard; peptide; 28 AA

AAY24820,

SXXX

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Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-AUG-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO9925727-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-MAY-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY24823;
                                                                                                                                                                                                                                                  AAY24822
  AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                              New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                        28 February 4, 2005 13:19 Type: P Check: 201 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY24822 standard; peptide; 28 AA.
                                                                                                                                                                                                    Claim 18; Fig 4; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQLAEEAVRLFIEFLKN
                                      98WO-US024210
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                                                            97US-0065442P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-AUG-1999 (first entry)
                                                                                                              Prickett KS;
                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                     WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                                                                                                                        AAY24821 Length: 28
ound using 'seq4' (md
                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma sp.
                                    13-NOV-1998;
                                                             14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO9925727-A2
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                                                                                                              Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-MAY-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY24822;
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Prickett KS;

Beeley NRA,

WPI; 1999-394773/33

(AMYL-) AMYLIN PHARM INC

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in
                                                                                                                        exendin agonist peptides which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY24822 Length: 28 February 4, 2005 13:19 Type: P Check: 197
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     aay24823; Exemdin agonist peptide #15. (from "seq4ags.pep")
TOIG of: aay24823 check: 193 from: 1
                                                                        Claim 18; Fig 4; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 18; Fig 4; 108pp; English
                                                                                                                        AAY24809 to AAY24877 represent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY24823 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKOLEAEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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to: 28

from: 1

check: 9921

(from "seq4ags.pep" TOIG of: aay24825

aay24825 ; Exendin agonist peptide #17

match found in sequence:

HGEGTFTSDLSKQLEEEAARLFIEFLKN

250

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as agents to regulate gastric motility and to slow gastric emptying, as mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
   and
the
mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefitted by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                Check: 193
                                                                                                                                                2005 13:19 Type: P
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                                                                                                                                                                                                                                                                                                                                                  from: 1
                                                                                                                                                                                                                                                                                           match found in sequence:
aay24824 ; Exendin agonist peptide #16.
                                                                                                                                                                                                                                                                                                                                                                                    AAY24824 standard; peptide; 28 AA
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                                                                                                                                                  AAY24823 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
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TOIG of: aay24824 c
                                                                                                              Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                       AAY24824;
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. dlabetes.
                                                                                                                              Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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(from "seq4ags.pep")
TOIG of: aay24826 check: 30 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY24826 standard; peptide; 28 AA
AAY24825 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 18; Fig 4; 108pp; English
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                                                                                                     Exendin agonist peptide #17.
                                                                     24-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                         Heloderma sp
                                                                                                                                                                                                                                                          WO9925727-A2
                                                                                                                                                                                                                                                                                                                            13-NOV-1998;
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                                                                                                                                                                                                         Synthetic
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                                   AAY24825
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Check: 9862

2005 13:19 Type: P

AAY24824 Length: 28 February 4, Found using 'seq4' (mohamed337.key) seq4_ags.res

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Claim 18; Fig 4; 108pp; English
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                                                                    98WO-US024210
                                                                                                  97US-0065442P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq4ags.pep")
TOIG of: aay24828 check: 136
                                                                                                                                                                     Beeley NRA, Prickett KS;
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                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                         WPI; 1999-394773/33.
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WO9925727-A2
                                                                                                  14-NOV-1997;
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                                                                13-NOV-1998;
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                                  27-MAY-1999.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric mocility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                    New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                Exendin, agonist, Heloderma sp, Gila monster, venom; lizard, diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay24827 ; Exendin agonist peptide #19.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 18; Fig 4; 108pp; English.
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                                                Exendin agonist peptide #18.
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                (first entry)
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                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1999-394773/33.
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TOIG of: aay24827 c
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                                                                                                                                                                     Heloderma sp.
                                                                                                                                                                                                                                                                                                            14-NOV-1997;
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Heloderma sp.
                                                                                                                                                                                                                                                                           13-NOV-1998;
                24-AUG-1999
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                                                                                                                                                       Synthetic.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric mocility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric mocility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which hould be benefited with agents useful in delaying and/or slowing gastric emptying
New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24828 ; Exendin agonist peptide #20
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Fri Feb

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AAY24830 Length: 28 February 4, 2005 13:19 Type: P Check: 9991 Found using 'seq4' (mohamed337.key)
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                                                                                      AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in retardment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                       ndin agonist peptides - can regulate gastric motility and slow emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                 check: 9975 from: 1
                                                                                                                                                                                                                                                                                                                                                                                        . match found in sequence:
aay24829; Exendin agonist peptide #21.
(from "seq4ags.pep")
TOIG of: aay24829 check: 9975 from:
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                                                                 Claim 18; Fig 4; 108pp; English
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WPI; 1999-394773/33.
                           exendin agonist
                                                                                                                                                                                                                                                         Sequence 28 AA;
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evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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TOIG of: aay24830 check: 9991 from: 1
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(first entry)

98WO-US024210 97US-0065442P

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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                              Exendin agonist peptide #24.
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                                                                                                                                                                                                                            Heloderma sp.
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AAY24832;
AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                            to: 28
                                                                                      1 match found in sequence:
aay24831 ; Exendin agonist peptide #23
(from "seq4ags.pep")
                                                                                                                                                                                                     AAY24831 standard; peptide; 28 AA
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                   HGEGTFTSDLSKOLEEEAVRLFIEFLAN
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                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #23.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to alow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which hower plasma glucose levels and in treatment of disorders which hower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                         Type: P Check: 6333
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Heloderma sp.
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to: 38

(from "seq4ags.pep") TOIG of: aay24832 check: 6333 from: 1

AAY24832 standard; peptide; 38 AA

В×

match found in sequence: aay24832 ; Exendin agonist peptide #24

HGEGTFTSDLSKQLEEEAVRLFIEFLKN

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                           New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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; 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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aay24835 ; Exendin agonist peptide #27.
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                     WPI; 1999-394773/33.
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TOIG of: aay24835
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Heloderma sp.
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AMY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperajyrcaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                          New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aay24834; Exendin agonist peptide #26.
(from "seq4ags.pep")
TOIG of: aay24834 check: 6333 from:
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                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
                                                                                                                                                                                                                                                                                               WPI; 1999-394773/33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 38 AA;
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                       WO9925727-A2
                                                                                                               13-NOV-1998;
                                                                                                                                                            14-NOV-1997;
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                                                                  27-MAY-1999
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as egents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which lower plasma glucose levels and in treatment of disorders which lower blasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                            AAY24835 Length: 37 February 4, 2005 13:19 Type: P Check: 2854 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
aay24836 ; Exendin agonist peptide #28.
[from "seq4ags.pep"]
TOIG of: aay24836 check: 333 from: 1
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                                                                                                                                                                     Sequence 37 AA;
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AAY24836 Length: 36 February 4, 2005 13:19 Type: P Check: 333 Found using 'seq4' (mohamed337.key)

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                              Exendin, agonist, Heloderma sp; Gila monster, venom; lizard, diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia, hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
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                                                                                    1 match found in sequence:
aay24837; Exendin agonist peptide #29.
(from "seq4ags.pep")
TOIG of: aay24837 check: 9894 from:
                                                                                                                                                                              AAY24837 standard; peptide; 36 AA
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aay24838 ; Exendin agonist peptide #30
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                                                                                                                                                                                                                                                                                             Exendin agonist peptide #29.
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TOIG of: aay24838
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AAY24838;

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
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aay24840; Exemdin agonist peptide #32.
(from seq49489.pep")
TOIG of: aay24840 check: 5178 from: 1
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                                                                                                                                                                                 14-NOV-1997;
Heloderma sp
                                             WO9925727-A2
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  regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                          Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay24839 ; Exendin agonist peptide #31
(from "seq4ags.pep")
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                                                                                                                      Exendin agonist peptide #30
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                                                                                                                                                                                                                                                        Synthetic.
Heloderma sp.
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                                                                                                                                                                                                                                                                                                                           WO9925727-A2
                                                                                                                                                                                                                                                                                                                                                                                                                     13-NOV-1998;
                                                                       24-AUG-1999
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34

Synthetic

AAY24839;

and the

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Type: P Check: 4739

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agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
    conditions. The peptides are exendin agonists which have activity as
                                                                                                                                                        AAY24841 Length: 34 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                               HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG
                                                                                                                            Sequence 34 AA;
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                                                                                                                                                                                                                                                                                                                                          regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                      New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ndin agonist peptides - can regulate gastric motility and slow emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                         AAY24840 Length: 34 February 4, 2005 13:19 Type: P Check: 5178 Found using 'seq4' (mohamed337.key)
                                                                                                                          AAY24809 to AAY24877 represent exendin agonist peptides which
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY24841 standard; peptide; 34 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       aay24841 ; Exendin agonist peptide #33
                                                                                               Claim 18; Fig 4; 108pp; English
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 Prickett KS
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                           WPI; 1999-394773/33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    from "seq4ags.pep")
OIG of: aay24841 c
                                                                                                                                                                                                                                                                                                Sequence 34 AA;
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 Beeley NRA,
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hover plasma glucose levels and in treatment of disorders which hover blasma glucose levels and in treatment of disorders which hover blasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                    to: 33
match found in sequence:
aay24842 ; Exendin agonist peptide #34.
(from "seq4ags.pep")
TOIG of: aay24842 check: 2764 from: 1
                                                                                                                                                                                                                AAY24842 standard; peptide; 33 AA
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AAY24842 Length: 33 February 4, 2005 13:19 Type: P Check: 2764

AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic

Claim 18; Fig 4; 108pp; English.

24-AUG-1999

AAY24843;

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                             Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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AAY24844 standard; peptide; 32 AA.
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                                                                                                                                        Exendin agonist peptide #36
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                                                                                            (first entry)
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TOIG of: aay24845 c
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                                                                                                                                                                                                                                                                                                            Heloderma sp.
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                                                AAY24844;
AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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aay24844; Exendin agonist peptide #36.
(from "seq4ags.pep")
TOIG of: aay24844 check: 25 from: 1
                                                                                                                                                                      match found in sequence:
aay24843 ; Exendin agonist peptide #35.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                      AAY24843 standard; peptide; 33 AA
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       Found using 'seq4' (mohamed337.key)
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Beeley NRA,

27-MAY-1999

Synthetic.

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric mocility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric mocility and to slow gastric emptying, as evidenced by the ability to reduce post-pandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                            New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24847 ; Exendin agonist peptide #39.
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                                                                                                                         Claim 18; Fig 4; 108pp; English
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                                               WPI; 1999-394773/33.
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TOIG of: aay24847 o
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                 Beeley NRA,
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 AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperalycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as agents to regulate gastric motility and to slow gastric emptying, as mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
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aay24846 ; Exendin agonist peptide #38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY24846 standard; peptide; 31 AA
                                                                                                                                                                                                                                                                                                              Claim 18; Fig 4; 108pp; English
                                                                                                         98WO-US024210.
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                                                                                                                                                                                                    Prickett KS;
                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                WPI; 1999-394773/33.
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TOIG of: aay24846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 32 AA;
              Heloderma sp.
                                           W09925727-A2.
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Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-NOV-1997;
                                                                                                       13-NOV-1998;
                                                                                                                                     14-NOV-1997;
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                                                                                                                                                                                                  Beeley NRA,
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                                                                          27-MAY-1999
 Synthetic
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to: 31

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be
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gastric emptying, used for treating, e.g. diabetes.
Exendin, agonist, Heloderma sp; Gila monster, venom; lizard, diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia, hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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seq4_ags.res

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                    and
                                                                                                     the
used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to alow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                           AAY24847 Length: 31 February 4, 2005 13:19 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  check: 4450 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY24848 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 18; Fig 4; 108pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                               (from "seq4ags.pep")
TOIG of: aay24848
                                                                                                                                                                                                            Sequence 31 AA;
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Sequence 30 AA;

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as agents to regulate gastric motility and to slow gastric emptying, as mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                 Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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AAY24848 Length: 30 February 4, 2005 13:19 Type: P Check: 4450 Found using 'seq4' (mohamed337.key)
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to:
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ay24850; Exendin agonist peptide #42.
from "seq4ags.pep")
TOIG Of: aay24850 check: 2320 from: 1
                                                                                                                                                                                                        check: 2759 from: 1
                                                                                                                                                match found in sequence:
aay24849; Exendin agonist peptide #41.
(from "seq4ags.pep")
TOIG of: aay24849 check: 2759 from:
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 18; Fig 4; 108pp; English
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                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #41.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Heloderma sp.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                           New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY24851 Length: 38 February 4, 2005 13:19 Type: P Check: 7469
Found using 'seq4' (mohamed337.key)
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aay24852 ; Exendin agonist peptide #44.
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                                                                                                                                                                                                                                                                                                                     Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
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TOIG of: aay24852
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                                          Heloderma sp.
                                                                                        WO9925727-A2.
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                     Synthetic.
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of agents which lower plasma glucose levels and in treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                   Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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TOIG of: aay24851 check: 7469 from:
                     standard; peptide; 29 AA
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                                                                                                                                                          Exendin agonist peptide #42.
                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prickett KS;
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                                                                                                                                                                                                                                                                                                                        Heloderma sp.
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                                                                                                                                                                                                                                                                                              Synthetic.
                     AAY24850
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WPI; 1999-394773/33.
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Heloderma sp.
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                                                                                                                                                                 Found using
                                                                                                                                                      AAY24853
886666666666888
                                                                                                                                                                                                                                                                                                                AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which howld be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                     New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX
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aay24853; Exendin agonist peptide #45.
(from "seq4ags.pep")
TOIG of: aay24853 check: 2828 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY24853 standard; peptide; 37 AA.
                                                                                                         Claim 18; Fig 4; 108pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-AUG-1999 (first entry)
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                         Prickett KS
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 (AMYL-) AMYLIN PHARM INC
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                                               WPI; 1999-394773/33
                                                                                                                                                                                                                                                                             Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma sp.
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                         Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exemdin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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3 'seq4' (mohamed337.key)
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(from "seq4ags.pep")
TOIG of: aay24854 check: 1733 from:
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to: 36

from: 1

TOIG of: aay24856 check: 869

AAY24856 standard; peptide; 36 AA

Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp.

Synthetic.

WO9925727-A2 27-MAY-1999.

Exendin agonist peptide #48.

24-AUG-1999 (first entry)

AAY24856;

98WO-US024210. 97US-0065442P.

13-NOV-1998; 14-NOV-1997;

Beeley NRA, Prickett KS; (AMYL-) AMYLIN PHARM INC.

WPI; 1999-394773/33.

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AMY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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AAY24854 Length: 37 February 4, 2005 13:19 Type: P Check: 1733 Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGASSGAAA
                                                                                                                                                                                               check: 4125 from: 1
                                                                                                                                                       aay24855; Exendin agonist peptide #47.
(from "seq4ags.pep")
TOIG of: aay24855 check: 4125 from:
                                                                                                                                                                                                                                  AAY24855 standard; peptide; 37 AA
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                                                                                                                                        1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-NOV-1998;
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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.

Claim 18; Fig 4; 108pp; English.

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which hower blasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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Found using 'seq4' (mohamed337.key)
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aay24857; Exendin agonist peptide #49.
(from "seq4ags.pep")
TOIG of: aay24857 check: 7463 from:
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|------HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX

(mohamed337.key

Found

1 match found in sequence: aay24856 ; Exendin agonist peptide #48. (from "seq4ags.pep")

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Claim 18; Fig 4; 108pp; English
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                                                                                                                                                                                                         New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay24858 ; Exendin agonist peptide #50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY24858 standard; peptide; 30 AA.
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                                                                                                                                                                Prickett KS;
                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                   WPI; 1999-394773/33.
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OIG of: aay24858
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                   Synthetic.
Heloderma sp.
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                                                                                                                                                               Beeley NRA,
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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aay24859 ; Exendin agonist peptide #51.
(from "seq4ags.pep")
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                                                                                                                                                                                                                                                                                                                                Claim 18; Fig 4; 108pp; English
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(AMYL-) AMYLIN PHARM INC.
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                                                                Beeley NRA, Prickett KS;
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                                                                                                                                         WPI; 1999-394773/33
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which hower benefited with agents useful in delaying and/or slowing gastric emptying
AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which lower plasma glucose levels and in treatment of disorders which would be
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                                                                                                                                                                                                                                                                                                        AAY24859 Length: 28 February 4, 2005 13:19 Type: P Check: 383
Found using 'seq4' (mohamed337.key)
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TOIG of: aay24860 check: 693 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
aay24860 ; Exendin agonist peptide #52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY24860 standard; peptide; 28 AA.
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                                                                                                                                                                                                                                                                   Sequence 28 AA;
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regulate gastric motility and slow gastric conditions. The peptides are exemin agonists which have activity as agents to regulate gastric motility and to allow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                    Check: 693
                                    Type: P
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                                  AAY24860 Length: 28 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                              from: 1
                                                                                                                                                                                    . match found in sequence:
aay24861; Exendin agonist peptide #53
(from "seq4ags.pep")
TOIG of: aay24861 check: 701 from:
                                                                                                                                                                                                                                                                                 AAY24861 standard; peptide; 28 AA
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                                                                                                            HGEGTFSSDLSKQMEEEAVRLFIEWLKN
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Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                      AAY24861;
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and the

aay24862 ; Exendin agonist peptide #54

1 match found in sequence:

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ablity to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay24864; Exendin agonist peptide #56
[from "seq4ags.pep"]
TOIG of: aay24864 check: 657 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 18; Fig 4; 108pp; English.
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HGEGTFTSDXSKQLEBEAVRLFIEFLKN
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
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                                                                                            Heloderma sp
                                                                                                                                    WO9925727-A2
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                                                                       Synthetic.
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      XLXBXEXEXEXEXEX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                               Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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Found using 'seq4': (mohamed337.key)
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aay24863; Exendin agonist peptide #55.
(from "seq4ags.pep")
TOIG of: aay24863 check: 381 from: 1
                                                                       AAY24862 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY24863 standard; peptide; 28 AA
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                                                                                                                                                                                                         Exendin agonist peptide #54.
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    (from "seq4ags.pep")
TOIG of: aay24862 check: 649
                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                Heloderma sp.
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WPI; 1999-394773/33.
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TOIG of: aay24867 c
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Heloderma sp.
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 X88888888888888
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                                                                                             New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                             AAY24864 Length: 28 February 4, 2005 13:19 Type: P Check: 657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin; agonist; Heloderma sp; Gila monster; venom; lizard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 1045 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                      aay24865 ; Exendin agonist peptide #57.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY24865 standard; peptide; 28 AA
                                                                                                                                Claim 18; Fig 4; 108pp; English
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                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQLEEEAVRLXIEFLKN
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97US-0065442P
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                                              Beeley NRA, Prickett KS;
                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-394773/33.
                                                                      WPI; 1999-394773/33.
                                                                                           New exendin agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                diabetes mellitus
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TOIG of: aay24865 c
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14-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
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and
the
AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ablility to reduce post-paradial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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aay24867 ; Exendin agonist peptide #59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY24867 standard; peptide; 33 AA
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to: 37

check: 4015

(from "seq4ags.pep") TOIG of: aay24869

AAY24869 standard; peptide; 37 AA.

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aay24869 ; Exendin agonist peptide #61.
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                                                                                                    Check: 2215
                                                                                                    Type: P
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                                                                                             AAY24867 Length: 33 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
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to:
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                                                                                                                                                                                                                                      HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aay24868; Exendin agonist peptide #60.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY24868 standard; peptide; 29 AA.
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TOIG of: aay24868
                                Sequence 33 AA;
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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.

Claim 18; Fig 4; 108pp; English.

Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp. W09925727-A2

Synthetic

Exendin agonist peptide #61.

(first entry)

24-AUG-1999

AAY24869;

98WO-US024210. 97US-0065442P.

13-NOV-1998; 14-NOV-1997;

27-MAY-1999

Beeley NRA, Prickett KS; (AMYL-) AMYLIN PHARM INC.

WPI; 1999-394773/33.

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
aay31501 ; Exendin-3 peptide sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 9591
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TOIG of: aay31501 o
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XEXEXEX
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HGEGTFTSDASKQMEEEAVRLFIEWLKNG 1

1 match found in sequence:

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comprises administering an exendin or exerdin agonist, or a Gib-1 (glucagon-like peptide) or GiP-1 agonist. The new methods using an exendin, exendin, exendin agonist. Gib-1 agonist are useful for correlation, exendin, exendin agonist. Gib-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine the excretion and sodium excretion without increasing potassium loss, and are the contraction and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. The present sequence represents an exendin-3 peptide which can be used in the methods of the invention
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac confractility; renal failure; dluretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   relates to new methods of increasing urine flow that
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett K;
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Found using 'seq4' (mohamed337.key)
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39
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aay31502; Exendin-4 peptide sequence.
(from "seq4ags.pep")
TOIG of: aay31502 check: 9570 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 14; Page 7; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beeley NRA,
                                                                                                                                                                                                                                                                                                                                              99WO-US002554
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                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                 hypertension; urine flow
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                                                                                                                                            Heloderma horridum.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention
                                                                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                                                                                                   05-FEB-1999;
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                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA,
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The invention relates to new methods of increasing urine flow that comprises administering an exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin gonist, GLP-1 agonist. The new methods using an exending or alleviating a disorder associated with toxic hypervolemis (renal failure, congestive heart failure, nephrotic syndrome, pulmonary clema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, or hypertension). They can also be used for inducing increasing enal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        present sequence represents an exendin-4 peptide which can be used in the methods of the invention
    Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of prepagnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Vine W, Beeley NRA, Prickett K;
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    aay31505 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31505 check: 4889 fr
                                                                                                                                                                                                                                                                                                                                                              99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC
                                                                                                                                                            Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
                                                                                                                                                                                                  Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                              05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                      13-FEB-1998;
                                                                                                                                                                                                                                                                                 WO9940788-A1
                                                                                                                                                                                                                                                                                                                       19-AUG-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA,
                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31505;
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2XXXXX
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Exendin agonist peptide

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comprises administering an exemidin or exemidin agonist, or a Gib-1 comprises administering an exemidin or exemidin agonist, or a Gib-1 comprises administering an exemidin or exemidin agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, proventing or alleviating an individual for surgical procedure, capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomenlar filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary adema, systemic edema or renal failure). Unlike prior art diurecies, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are facilure). They have a prolonged duration of action, are increpic, have a low toxicity, and are easily administered intravences.

ANY31505-560 represent examples of exendin agonists compounds
                      Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                        invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31505 Length: 30 February 4, 2005 13:19 Type: P Check: 4889
                                                                                                                                                                                                                                                                                                                                Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28
                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ‡0:
                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
                                                                                                                                                                                                                                                                                                                                                                                                               Example 4; Page 32; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY31506 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                 Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aay31506; Exendin agonist peptide. (from "seq4ags.pep")
TOIG of: aay31506 check: 700 from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (mohamed337.key)
                                                                                                                                                                                                                                                  99WO-US002554
                                                                                                                                                                                                                                                                             98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               found in sequence:
                                                                                                                                                                                                                                                                                                                                Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Found using 'seq4'
                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                              13-FEB-1998;
                                                                                                                   Heloderma sp.
                                                                                                                                                                                                                                                    05-FEB-1999;
                                                                                                                                                                                               WO9940788-A1
                                                                                                                                                                                                                         19-AUG-1999
                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31506;
                                                                                                                                                                                                                                                                                                                                   Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 match
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Comparises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolends (renal failure, congestive heart failure, nephrotic syndrome, pulmonary cedema, oirrhosis, or hypertenaion). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, concreasing renal plasma flow and glomerular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure) unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
Exendin, agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to new methods of increasing urine flow that
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 28
                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKQMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aay31507 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY31507 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31506 Length: 28 February 4, ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99WO-US002554
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq4ags.pep")
TOIG of: aay31507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-FEB-1999;
                                                                                                                                                                                                                                   Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                    WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-AUG-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA,
                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY31507;
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Exendin agonist peptide.
axxxax
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                       Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dlucesis; renal plasma filow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiar ractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31507 Length: 28 February 4, 2005 13:19 Type: P Check: 261
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                   Prickett K;
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                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                  Example 6; Page 33; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                   Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31508 standard, peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence: aay31508; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                              98US-0075122P
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                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                             urine flow
 Exendin agonist peptide
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                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                   Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (from "seq4ags.pep")
TOIG of: aay31508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                             Key
Modified-site
                                                                            hypertension;
                                                                                                                   Heloderma sp.
                                                                                                                                                                                                                                                     05-FEB-1999;
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                                                                                                                                                                                                 WO9940788-A1
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                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                     Young AA,
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist. The new methods using an

candin, exendin agonist, GLP-1 agonist. The new methods using an

candin, exendin agonist, GLP-1 agonist. The new methods using an

candin, exendin agonist, GLP-1 agonist. The new methods in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

rapid diuresis, or hypertension). They can also be used for inducing

rapid diuresis, or hypertension), they can also be used for inducing

capid diuresis, or hypertension), they can also be used for inducing

increasing renal plasma flow and glomerular filtration rate, treating pre-

cal more and alleviated by increasing a condition/

(congestive heart failure, pulmonary edema, systemic edema or renal

canding. Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and

canding. They have a prolonged duration of action, are incuropic,

have a low toxicity, and are easily administered intravenously. Sequences
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemis; diucesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac confility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4, 2005 13:19 Type: P Check: 249
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vine W, Beeley NRA, Prickett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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any31509 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG OE: aay31509 check: 166 from
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                                                                                                                                                                hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-527332/44
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Modified-site
                                                                                                                                                                                                                                                                                          Heloderma sp
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                                                                                                                                                                                                                                                       Synthetic
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Exendin agonist peptide.

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin for all adjunctive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-clampsia or eclampsia of pregnancy, and increasing a condition/ discorder that can be alleviated by increasing candiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excretion and sodium excretion without increasing potassium loss, and are castify, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                   Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregenancy; cardiac contractility; renal failure; diuretic; conqestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Prickett K;
                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 8; Page 34; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
    aay31510 ; Exemdin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31510 check: 231 from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGAFTSDLSKQLEEEAVRLFIEFLKŇ
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                                                                                                                                                                                                                                                                                                                                                                                                                          98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 28 AA;
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                                                                                                                                                                                                                       Key
Modified-site
                                                                                                                                                                                    Heloderma sp.
                                                                                                                                                                                                                                                                                                      WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                     05-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                             19-AUG-1999.
                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA,
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28

from: 1

AAY31510 standard; peptide; 28 AA.

(first entry)

08-NOV-1999

AAY31510;

SAXAXEX

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal excretion and sodium excretion without increasing potassium loss, and are failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are call and acting the acting th
                                        Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         have a low toxicity, and are easily administered intravenousl:
AAY31505-560 represent examples of exendin agonists compounds
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                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                       Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 9; Page 35; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Vine W, Beeley NRA,
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aay31511, Exemdin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31511 check: 117 from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTATSDLSKOLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                                                                                                                      Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-FEB-1999;
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                                                                                                                                                                                                                            Synthetic
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BXXXEX
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Exendin agonist peptide.
 EXXXEX
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comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

exendin, exendin admist, GLP-1 or GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

capid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

clampsia or eclampsia of pregnancy, and increasing a condition,

isologestive heart failure, pulmonary, edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged durantion of action, are inotropic,

have a low toxicity, and are easily daministered intravenously. Sequences

AAY11505-560 represent examples of exendin agonists compounds
                      Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY31511 Length: 28 February 4, 2005 13:19 Type: P Check: 117
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                    /note= "C-terminal amide"
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t
                                                                                                                                Location/Qualifiers
28
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aay31512 ; Exendin agonist peptide.
(from "seq4ags.pep")
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                                                                            urine flow
 Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                           Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
                                                                                                                                          Key
Modified-site
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                                                                          hypertension;
                                                                                                                 Heloderma sp.
                                                                                                                                                                                                                                                05-FEB-1999;
                                                                                                                                                                                              WO9940788-A1
                                                                                                                                                                                                                                                                         13-FEB-1998;
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                                                                                                     Synthetic.
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-1kk peptide) or GLP-1 agonist. The new methods using an exendin, exendin, exendin agonist, GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, example agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a flower associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampata or eclampsia of pregnancy, and increasing a condition, classification that can be alleviated by increasing cardiac contractility (congestive heart failure) unine prior att diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
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Found using 'seq4' (mohamed337.key)
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to:
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{from "seq4ags.pep"}
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                             hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check:
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Modified-site
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                                                                                                                                                                                                                                                                              Heloderma sp.
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                                                                                                                                                                                                                                              Synthetic
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; dirrhosis;

hypertension; urine flow

Exendin agonist peptide.

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site

WO9940788-A1 19-AUG-1999

Heloderma sp.

Synthetic

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comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, correspond urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, dirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are easing. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAV31505-560 represent examples of exendin agonists compounds
                                    Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia, diuresis, renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to new methods of increasing urine flow that
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                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                        Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aay31514 ; Exendin agonist peptide.
(from "seq4ags.pep")
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0075122P.
                                                                                                                                                                                                                                                                                                                                                                                                                       99WO-US002554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                hypertension; urine flow
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                                                                                                                                               Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                       05-FEB-1999;
                                                                                                                                                                                                 Heloderma sp
                                                                                                                                                                                                                                                                                                                               WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                             19-AUG-1999
                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA,
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Increasing urine flow by administering peptides or peptide agonists.

Example.13; Page 37; 94pp; English.

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Prickett

Beeley NRA,

WPI; 1999-527332/44 Young AA, Vine W,

(AMYL-) AMYLIN PHARM INC.

99WO-US002554 98US-0075122P

05-FEB-1999; 13-FEB-1998;

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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist. The new methods using an

candin, exendin agonist, GLP-1 or GLP-1 or GLP-1

contrasting urine flow, decreasing potassium concentration in urine,

concenting or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

cdema, cirrhosis, or hypertension). They can also be used for inducing

rapid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

clangesia or eclampsia of pregnancy, and increasing a condition/

clasorder that can be alleviated by increasing a condition/

disorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

clasting. Unlike prior art diuretics, the new methods increase urine

carcation and sodium excretion without increasing potassium loss, and are

contracting. They have a prolonged duration of action, are incursors,

chave a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAV31514 Length: 28 February 4, 2005 13:19 Type: P Check: 141 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
    aay31515 ; Exendin agonist peptide.
    (from 'seq4ags.pep")
    TOIG of: aay31515 check: 53 from:
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to: 28

from: 1

141

check:

roig of: aay31514

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AAY31514 standard, peptide; 28

(first entry)

08-NOV-1999

AAY31514;

UXXXEX

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Exendin agonist peptide.
 The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist. The new methods using an

cate of increasing utine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

created failure, congestive heart failure, nephrotic syndrome, pulmonary

cdema, cirrhosis, or hypertension). They can also be used for inducing

rapid diuresis, preparing an individual for surgical procedure,

conferently an individual for surgical procedure,

colampsia or eclampsia of pregnancy, and increasing a condition/

cincreasing renal plasma flow and slomerular filtration rate, treating pre-

ceclampsia or eclampsia of pregnancy, and increasing a condition/

cisorder that can be alleviated by increasing cardiac contractility

congestive heart failure, pulmonary edema, systemic edema or renal

failure, pulmonary edema, systemic edema or renal

can and sodium excretion without increasing potassium loss, and are

can and sodium excretion without increasing potassium loss, and

can and sodium excretion without increasing potassium loss, and

chave a low toxicity, and are easily administered intravenously. Sequences
                          Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia; dutuseis, renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; duuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   February 4, 2005 13:19 Type: P Check: 53
                                                                                                                                                                                                                                                                                                                                                      Prickett K;
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                                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 14; Page 37; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
aay31516; Exendin agonist peptide.
(from "seq4ags.ppp")
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                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                   hypertension; urine flow
 Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                     Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                                                      Key
Modified-site
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                                                                                                          Synthetic.
Heloderma sp.
                                                                                                                                                                                                            W09940788-A1
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                                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31516;
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The use useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclamosia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are called the condition of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              have a low toxicity, and are easily administered intravenously. Sequences
AAY11505-560 represent examples of exendin agonists compounds
Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                      hypertension, urine flow
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TOIG of: aay31517
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                           Heloderma sp
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                                                                                                                                                                                                                                                                                                                         Synthetic
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Exendin agonist peptide.
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 SAKKEX
                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precentangsia or cclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diurelies, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are eaching action, are inotropic, have a low toxicity, and are eachly administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
               Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                  Increasing urine flow by administering peptides or peptide agonists.
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                   Prickett K;
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                                                                                                                                      Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                   Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31518 standard; peptide; 28
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aay31518 ; Exendin agonist peptide.
(from "seq4ags.pep")
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                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
 Exendin agonist peptide
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                                                                                                                                                                                                                                                                                                                   Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
                                                                                                                                         Key
Modified-site
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                                                                                                               Heloderma sp.
                                                                                                                                                                                        WO9940788-A1
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                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                     Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31518;
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  SAXEX
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLD-1

(glucagon-like peptide) or GLD-1 agonist. The new methods using an

exendin, exendin agonist, GLD-1 or GLD-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

concentring or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, preparing an individual for surgical procedure,

conceasing renal plasma flow and glomerular filtration rate, treating pre-

increasing renal plasma flow and glomerular filtration rate, treating pre-

colampsia or calampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                   hypertension; urine flow
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of: aay31519 o
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Modified-site
                                                                                                                                                                                                                                                                   Heloderma sp.
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                                                                                                                                                                                                                                Synthetic
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Exendin agonist peptide.
AXXXEX
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Comprises administering an exendin or exendin agonist, or a GLP-1

Comprises administering an exendin or exendin agonist, or a GLP-1

Companies, exendin agonist, GLP-1 or GLP-1 agonist are useful for

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

comprises or alleviating a disorder associated with toxic hypervolemia

Companies, or hypertension or nephrotic syndrome, pulmonary

concreasing renal plasma flow and glomerular filtration rate, treating pre-

colampsia or eclampsia of pregnancy, and increasing a condition,

colampsia or eclampsia of pregnancy, and increasing a condition,

disorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

callure). Unlike prior art diuretics, the new methods increase urine

carction and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged duration of action, are increopic,

have a low toxicity, and are easily administered intravenously. Sequences

ANY31505-560 represent examples of exendin agonists components
                       Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                        Increasing urine flow by administering peptides or peptide agonists.
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                        Prickett K;
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    aay31520 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31520 check: 9862 fr
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                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC
                                                                         hypertension; urine flow
Exendin agonist peptide
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Modified-site
                                                                                                              Heloderma sp.
                                                                                                                                                                                          WO9940788-A1
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                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                        Young AA,
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SAXXEX
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin, exendin agonist, fGLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing active contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine.
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
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    aay31521 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31521 check: 9921 fr
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                                                                                                                                             hypertension; urine flow
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Modified-site
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Exendin agonist peptide.
BXXXEX
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                                 Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Increasing urine flow by administering peptides or peptide agonists.
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aay31522, Exendin agonist peptide.
[fizm "seq43gs.pep"]
TOIG of: aay31522 check: 30 from
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Exendin agonist peptide
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Modified-site
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                                                                                                                                               Synthetic
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exxxex
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-clampsia or eclampsia of pregnancy, and increasing cardiac contractility disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
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                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
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(from "seq4ags.pep")
TOIG of: aay31523 check: 165 from
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                                                                                                                                                                                                                                                                   Synthetic
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Exendin agonist peptide.
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                     Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                               Prickett K;
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                                                                                                                                           Location/Qualifiers
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aay31524 ; Exendin agonist peptide.
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Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                               Vine W,
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TOIG of: aay31524 of
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Modified-site
                                                                                                                  Heloderma sp.
                                                                                                                                                                                                                                                 05-FEB-1999;
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for cycle for alleviating of alsorder associated with toxic hypervolemia (conceasing urine flow, decreasing potassium concentration in urine, corpused the configuration of the configuration
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
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aay31525 ; Exendin agonist peptide.
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TOIG of: aay31525
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Modified-site
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Exendin agonist peptide.
comprises administering an exendin or exentin agonist, or a Gib-1 comprises administering an exendin or exentin agonist, or a Gib-1 comprises administering an exendin or exendin agonist. The new methods using an glucagon-like peptide) or Gib-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomevular filtration rate, treating pre-eclampsia or celampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diurecies, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increpic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                         Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
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                                                                             hypertension; urine flow
Exendin agonist peptide
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                                                                                                                                                            Modified-site
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                                                                                                                       Heloderma sp.
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GiP-1 (glucagon-like peptide) or GiP-1 agonist. The new methods using an exendin, exendin agonist, GiP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
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                                                                                                congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
Exendin, agonist, GLP-1; glucagon-like peptide, toxic hypervolemia; diuresis, renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic;
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                                                                                                                                                                                                                                                                                   Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQLEEEAVRLFIEFLAN
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aay31527 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99WO-US002554.
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                                                                                                                            hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY31526 Length: 28 Found using 'seq4' (mo
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Modified-site
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                                                                                                                                                                                         Synthetic.
Heloderma sp.
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exyxex
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Exendin agonist peptide.
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  The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

conceasing urine flow, decreasing potassium concentration in urine,

increasing urine flow, decreasing potassium concentration in urine,

creal failure, congestive heart failure, nephrotic syndrome, pulmonary

cema, cirrhosis, or hypertension). They can also be used for inducing

creal failures, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

celampsia or eclampsia of pregnancy, and increasing a condition/

increasing renal plasma flow and glomerular filtration rate, treating pre-

celampsia or eclampsia of pregnancy, and increasing a condition/

clasorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing pocassium loss, and are

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
                         Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dlucasis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31527 Length: 28 February 4, 2005 13:19 Type: P Check: 9897 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                  Prickett K;
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                                                                                                                                                                               /note= "C-terminal amide"
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                                                                                                                                       Location/Qualifiers
28
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    aay31528 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31528 check: 6333 fr
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                                                                                                                                                                                                                                                                                                                      PHARM INC
                                                                                hypertension; urine flow
 Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-527332/44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN
                                                                                                                                                               Modified-site
                                                                                                                        Heloderma sp.
                                                                                                                                                                                                        WO9940788-A1
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                                                                                                                                                                                                                                   19-AUG-1999.
                                                                                                             Synthetic.
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comparises administering an exempin or extendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, orongestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, capid diuresis, preparing an individual for surgical procedure, concentration an individual for surgical procedure, concentration pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are cating. They have a prolonged duration of action, are increopic,
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma filow; glomerular filtration rate; pre-eclampaia; eclampsia of pregnancy; cardiac contractility; renal failure; duretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31528 Length: 38 February 4, 2005 13:19 Type: P Check: 6333 ound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aay31529 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                             hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1999-527332/44
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Modified-site
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                                                                                                                                                                                                                                                                                  Heloderma sp
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                                                                                                                                                                                                                                                Synthetic
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Exendin agonist peptide.
BXXXEX
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                          Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; careformiatility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31529 Length: 38 February 4, 2005 13:19 Type: P Check: 5894 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                      Prickett K;
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                                                                                                                                                                                 /note= "C-terminal amide"
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                                                                                                                                                     Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aay31530 ; Exendin agonist peptide.
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                                                                                  hypertension; urine flow
                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
Exendin agonist peptide
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                                                                                                                                                                                                                                                                                                                                                      Vine W,
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f: aay31530
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Modified-site
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                                                                                                                           Heloderma sp.
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                                                                                                             Synthetic
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SASSEX
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potessium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia preventing or alleviating a disorder failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, clampsia or clampsia of pregenency, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal callure). Unlike prior art diuretics, the new methods increase unine excretion and sodium excretion without increasing potessium loss, and are fast acting. They have a prolonged duration of action, are instropic,
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
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                                                                                                                                                                                                                                                                                                                Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY31531 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aay31531 ; Exendin agonist peptide. (from "seq4ags.pep")
TOIG of: aay31531 check: 2854 fro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          37 February 4, (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                         hypertension, urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-527332/44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31530 Length: 37 ound using 'seq4' (mo
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                                                                                                                                                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                                                  Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9940788-A1
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                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31531;
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Exendin agonist peptide.
                                                                                                      Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

concreasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

crapid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

celampsia or eclampsia of pregnancy, and increasing a condition,

increasing renal balleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diurecise, the new methods increase urine

carcietion and sodium excretion without increasing potassium loss, and

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
                        Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dlucesis; renal plasma filow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
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(mohamed337.key)
                                                                                                                                                                                                                                                                                                                            Prickett K;
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                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
                                                                                                                                  Location/Qualifiers
38
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                                                                                                                                                                                                                                                                                                                            Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
aay31532 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                        98US-0075122P
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                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                           hypertension; urine flow
Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                          Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY31531 Length: 37 Found using 'seq4' (mo
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TOIG of: aay31532 c
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Modified-site
                                                                                                                  Heloderma sp.
                                                                                                                                                                                             WO9940788-A1
                                                                                                                                                                                                                                               05-FEB-1999;
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                                                                                                      Synthetic.
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing candiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
aay31533 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99WO-US002554.
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Found using 'seq4' (mo
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TOIG of: aay31533 c
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                                                                                                                                                                                                                                                                                                                                                         Key
Modified-site
                                                                                                                                                                                                                                                                                  Heloderma sp.
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Exendin agonist peptide.
exaxa
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                         Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                               Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 35
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                                                                                                                                                    Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                               Beeley NRA,
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    aay31534; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31534 check: 7453 fr
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                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                  hypertension; urine flow
 Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                               Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 36 AA;
                                                                                                                                                      Key
Modified-site
                                                                                                                         Heloderma sp.
                                                                                                                                                                                                            WO9940788-A1
                                                                                                                                                                                                                                                               05-FEB-1999;
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                                                                                                              Synthetic
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                                                                                                                                                                                                                                                                                                                                               Young AA,
  SAXAXEX
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 a gonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, reclampsis, preparing an individual for surgical procedure, reclampsia or eclampsia of pregrancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diureties, the new methods increase urine for a contraction and sodium excretion without increasing potassium loss, and are for a contractility and sodium excretion without increasing potassium loss, and are
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diutesis; renal plasma flow; glomerniar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contactility; renal failure; diutetic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Prickett K;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
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    aay31535 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31535 check: 7014 fro
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                                                                                                                                                                hypertension; urine flow
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Modified-site
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                                                                                                                                                                                                                                                                                        Heloderma sp
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                                                                                                                                                                                                                                                  Synthetic
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 35; Page 48; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                         hypertension; urine flow
Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                          Young AA, Vine W,
                                                                                                                                                                      Key
Modified-site
                                                                                                                                      Heloderma sp.
                                                                                                                                                                                                                                                                                             05-FEB-1999;
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                                                                                                                                                                                                                                                                 19-AUG-1999.
                                                                                                                         Synthetic
The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating preclampsia or eclampsia of pregnancy, and increasing a condition, increasing renal plasma flow and glomerular filtration rate, treating preclampsia or eclampsia of pregnancy, and increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAV11505-560 represent examples of exendin agonists compounds
                             Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                         Location/Qualifiers
35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
aay31536 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31536 check: 5178 fr
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                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                          hypertension; urine flow
 Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                         Vine W,
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                                                                                                                                                                      Key
Modified-site
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                                                                                                                                        Heloderma sp
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                                                                                                                         Synthetic.
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Prickett K;

Beeley NRA,

99WO-US002554. 98US-0075122P

/note= "C-terminal amide"

Location/Qualifiers

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for creasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, concentration and useful for suspical procedure, creal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing creasing renal plasma flow and glomerular filtration rate, treating precedure that can be alleviated by increasing a condition, congestive heart failure, pulmonary edema, systemic contractility (congestive heart failure, pulmonary edema, systemic contractility (congestive heart failure, pulmonary edema, systemic contractility congestive heart failure, pulmonary edema, systemic contractility congestive heart failure, pulmonary edema, systemic contractility accenting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
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aay31537 ; Exendin agonist peptide.
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TOIG of: aay31537 o
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Exendin agonist peptide.
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                      Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia, diuresis, renal plasma flow, glomerular filtration rate, pre-eclampsia, eclampsia of presplancy, cardiac contractility, renal failure, diuretic, conqestive heart failure, nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                          invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY31537 Length: 34 February 4, 2005 13:19 Type: P Check: 4739 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                        /note= "C-terminal amide"
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                                                                                                                                              Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                  Beeley NRA,
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aay31538 ; Exendin agonist peptide.
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Exendin agonist peptide.
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TOIG of: aay31538 o
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Modified-site
                                                                                                                      Heloderma sp
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                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                    Young AA,
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemis (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, treating or increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/eclampsia or an be alleviated by increasing eardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Increasing urine flow by administering peptides or peptide agonists.
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aay31539 ; Exendin agonist peptide.
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TOIG of: aay31539 c
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Modified-site
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                                                                                                                                                                                                                                                        Synthetic.
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Exendin agonist peptide.
 Comparises administrating an exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for candin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing poctassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampais or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are easing. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                       Exendin, agonist, GLP-1; glucagon-like peptide, toxic hypervolemia, diuresis, renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                           Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                               Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31540 standard; peptide; 32 AA
                                                                                                                                                                                                                                                                                                                                      Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aay31540 ; Exendin agonist peptide.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                        99WO-US002554
                                                                                                                                                                                                                                                                                  98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                             hypertension; urine flow
 Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOIG of: aay31540
                                                                                                                                                Key
Modified-site
                                                                                                                       Heloderma sp.
                                                                                                                                                                                                    WO9940788-A1
                                                                                                                                                                                                                                                      05-FBB-1999;
                                                                                                                                                                                                                                                                                 13-FEB-1998;
                                                                                                                                                                                                                              19-AUG-1999.
                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY31540;
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist are useful for

conformal parting or alleviating a disorder associated with toxic hypervolemia

crenal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

crenal failure, preparing an individual for surgical procedure,

increasing renal plasma flow and glomeriular filtration rate, treating pre-

clampsia or eclampsia of pregnancy, and increasing a condition/

increasing renal balleviated by increasing cardiac contractility

(congestive heart failure, pulmonary dema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

AY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4, 2005 13:19 Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 32
                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 from: 1
                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 39; Page 50; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31541 standard; peptide; 32 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence: aay31541; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY31540 Length: 32 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98US-0075122P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA, Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "seq4ags.pep"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 32 AA;
                                                                                                                                                                                                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOIG of: aay31541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-FEB-1999;
                                                                                                                                                                                                                                                                                  Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-AUG-1999.
                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31541;
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Exendin agonist peptide.
 EXXXEX
                                                                                                                                                                                                                                                                                                                                                                                                                                 comprises administering an exendin or exertin agonist, or a Gib-
comprises administering an exendin or exertin agonist, or a Gib-
comprises administering an exendin or exertin agonist are useful for
correasing urine flow, decreasing potassium concentration in urine,
preventing or alleviating a disorder associated with toxic hypervolemia
(renal failure, congestive heart failure, nephrotic syndrome, pulmonary
edema, cirrhosis, preparing an individual for surgical procedure,
increasing renal plasma flow and glomerular filtration rate, treating pre-
clampsia or eclampsia of pregnancy, and increasing a condition/
disorder that can be alleviated by increasing exertine of the confection
(congestive heart failure, pulmonary edema, systemic edema or renal
failure). Unlike prior art diuretics, the new methods increases urine
excretion and sodium excretion without increasing potassium loss, and are
fast acting. They have a prolonged duration of action, are inotropic,
thave a low toxicity, and are easily administered intravenously. Sequences
                  Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31541 Length: 32 February 4, 2005 13:19 Type: P Check: 9586 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                     Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 31
                                                                                                                                                                /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                 Example 40; Page 51; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |-----HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31542 standard; peptide; 31 AA
                                                                                                                                                                                                                                                                                                                       Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
aay31542 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG Of: aay31542 check: 7369 frv
                                                                                                                                                                                                                                            99WO-US002554.
                                                                                                                                                                                                                                                                      98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                       Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 32 AA;
                                                                                                                                        Key
Modified-site
                                                                                                               Heloderma sp.
                                                                                                                                                                                          WO9940788-A1
                                                                                                                                                                                                                                            05-FEB-1999;
                                                                                                                                                                                                                                                                      13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-NOV-1999
                                                                                                                                                                                                                   19-AUG-1999
                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY31542;
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (configuresis, preparting an individual for surgical procedure, capid diuresis, preparting an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedures that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing pocassium loss, and are fast acting. They have a prolonged durantion of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                               congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Type: P Check: 7369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 31
                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31542 Length: 31 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 6930 from: 1
                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 41; Page 51; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31543 standard; peptide; 31 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . match found in sequence:
aay31543 ; Exendin agonist peptide.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98US-0075122P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                 hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOIG of: aay31543
                                                                                                                                                                                                                                                                Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-AUG-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31543;
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Exendin agonist peptide.
 BXXXEX
                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exending or allevidating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampsia or calampsia of preparancy, and increasing a condition, congestive heart failure, pulmonary edema, systemic edema or renal failure, unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                      Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31543 Length: 31 February 4, 2005 13:19 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                  Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 30
                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4450 from: 1
                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                         Example 42; Page 52; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31544 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
                                                                                                                                                                                                                                                                                                  Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aay31544 ; Exendin agonist peptide.
                                                                                                                                                                                                                            99WO-US002554.
                                                                                                                                                                                                                                                   98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                     hypertension; urine flow
Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  check:
                                                                                                                                                                                                                                                                                                                         WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                  Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq4ags.pep")
TOIG of: aay31544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 31 AA;
                                                                                                                               Key
Modified-site
                                                                                                       Heloderma sp.
                                                                                                                                                                                                                             05-FEB-1999;
                                                                                                                                                                             WO9940788-A1
                                                                                                                                                                                                                                                   13-FEB-1998;
                                                                                                                                                                                                    19-AUG-1999
                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                    Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31544;
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, corpresenting or alleviate heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing crapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampsia or eclampsia of pregnancy, and increasing a condition/ clasured that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inciropic, have a low toxicity, and are easily administered incravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac confectility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA, Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29
                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31544 Length: 30 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 2759 from: 1
                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
aay31545 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                         hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-527332/44
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Modified-site
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                                                                                                                                                                                                                                                                                 Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0S-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-FEB-1998;
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                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31545;
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Exendin agonist peptide.
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 comprises administering an exendin or exendin agonist, or a GLP-1 comprises administering an exendin or exendin agonist, or a GLP-1 agonist. The new methods using an exendin, exendin, exendin gonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, prunomary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomevilar filtration rate, treating precipancial pregnantly and increasing a condition of increasing relampsia or colampsia of pregnancy, and increasing a condition of disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are failure). They have a prolonged duration of action, are inctropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                       Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                              Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31545 Length: 29 February 4, 2005 13:19 Type: P Check: 2759 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                         Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 29
                                                                                                                                                                          /note= "C-terminal amide"
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                                                                                                                                                 Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                         Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
aay31546 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                         99WO-US002554
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                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                              hypertension; urine flow
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check:
                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                        Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq4ags.pep")
TOIG of: aay31546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 29 AA;
                                                                                                                                                 Key
Modified-site
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                                                                                                                      Heloderma sp
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                                                                                                                                                                                                                              19-AUG-1999
                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                         Young AA,
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SAXEX
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comprises administering an exendin or exendin agonist, or a Gib-1 cardon agonist, or a Gib-1 comprises administering an exendin or exendin agonist, Gib-1 or Gib-1 agonist. The new methods using an increasing urine flow, decreasing potessium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast They are a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravences.

AAY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Type: P Check: 2320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prickett K;
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                                                                                                                                                                                                                                                                                                                                                                                       /note= "C-terminal amide"
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQLEEEAVRLFIEFLKNG
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aay31547; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                        hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "seq4ags.pep")
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                                                                                                                                                                                                                                                                                                                     Key
Modified-site
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                                                                                                                                                                                                              Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-FEB-1998;
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14:12:16 2005

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Fri Feb

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comprises administering an exempla or exempla agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirthosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inorropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                               Exendin, agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                      /note= "thioproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Prickett K;
                                                                                                                                                                                                                           note= "thioproline"
                                                                                                                                                                                                                                                                  'note= "thioproline"
                                                                                                                                                                                                                                                                                                     note= "thioproline"
                                                                                                                                                                                          Location/Qualifiers
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Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vine W,
                                                                                                                                                                                              Key
Modified-site
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                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA,
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Sequence 38 AA;

Type: P Check: 7469 AAY31547 Length: 38 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key) HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXX

to: 38 check: 7221 from: 1 1 match found in sequence:
 aay31548 ; Exendin agonist peptide.
 (from "seq4ags.pep")
 TOIG of: aay31548 check: 7221 fr

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 associated with toxic hyperrolenia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing crapid duresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedure that can be alleviated by increasing a condition/ cisorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excretion and sodium excretion without increasing potassium loss, and are have a low toxicity, and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
                                                                                                                                       Exendin, agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma filow; glomerular filtration rate; pre-edlampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                            /note= "thioproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA, Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                                                                                                                                                      note= "thioproline"
                                                                                                                                                                                                                                                                                                                                                                           "thioproline"
                                                                                                                                                                                                                                                                                                  Location/Qualifiers
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AAY31548 standard; peptide; 38
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                                                                    (first entry)
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                                                                                                                                                                                                             hypertension; urine flow
                                                                                                       Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                             'note=
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Modified-site
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                                                                                                                                                                                                                                                                     Heloderma sp.
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                                                                      08-NOV-1999
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                                                                                                                                                                                                                                                  Synthetic
                                 AAY31548;
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AAY31548 Length: 38 February 4, 2005 13:19 Type: P Check: 7221 Found using 'seq4' (mohamed337.key)

Sequence 38 AA;

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX

1 match found in sequence:

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

to: 37

check: 4125 from: 1

in seguence

AAY31550 standard; peptide; 37

(first entry)

08-NOV-1999

AAY31550;

Exendin agonist peptide.

```
aay31550 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31550 check: 4125 fr
                     match found
                                                                                                                   comprises administering an exembin or exempliance. Interintol feature of the comprises administering an exembin or exempliance, or a GLP-1 agonist. The new methods using an exemplian or GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing edema or renal canding they are allure, pulmonary edema, systemic edema or renal canding they have a prolonged duration of action, are inotropic, and increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, and increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, and increase a low toxicity, and are easily administered intravenously, Sequences and contraction of action, are inotropic.
                                                                                                                                                                                                                           Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dlucesis; renal plasma flow; glomentlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prickett K;
                                       to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "N-methyl alanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                       from: 1
                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 48; Page 55; 94pp; English.
                                                                            AAY31549 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Beeley NRA,
aay31549 ; Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99WO-US002554,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98US-0075122P
                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                       hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                          Exendin agonist peptide.
                                     check:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vine W,
                     (from "seq4ags.pep")
TOIG of: aay31549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                              Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-FEB-1998;
                                                                                                                                                    08-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-AUG-1999
                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                               AAY31549;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA,
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/note= "N-methyl alanine; C-terminal amide"

note= "N-methyl alanine" 'note= "N-methyl alanine"

Location/Qualifiers

Key Modified-site Modified-site Modified-site

Heloderma sp

Synthetic.

Prickett K;

Vine W, Beeley NRA,

Young AA,

WPI; 1999-527332/44.

(AMYL-) AMYLIN PHARM INC.

99WO-US002554.

05-FEB-1999;

WO9940788-A1 19-AUG-1999. 13-FEB-1998;

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comprises administering an exemdin or exemdin agonist. Or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing of GLP-1 agonist are useful for preventing or alleviating a disorder associated with toxic hypervolemia (femal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing compared diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedures that can be alleviated by increasing cardiac condition/ disorder that can be alleviated by increasing cardiac condition/ congestive heart failure, pulmonary edema, systemic edema or renal failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are exerting relative a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                    The invention relates to new methods of increasing urine flow that
                                                                                                                              Example 49; Page 56; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 37 AA;
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AAY31550 Length: 37 February 4, 2005 13:19 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)

AAY31549 Length: 37 February 4, 2005 13:19 Type: P Check: 3541 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP

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|-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
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to: 37 from: 1 match found in sequence: aay31551 ; Exendin agonist peptide. check: 3293 (from "seq4ags.pep") TOIG of: aay31551 c

AAY31551 standard; peptide; 37 AA.

AAY31551;

(first entry) 08-NOV-1999

Exendin agonist peptide.

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesls; renal plasma flow; glomerular filtration rate; pre-edlampsla; eclampsia of pregnancy; cardiac contractility; renal failure; dluretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow

Heloderma sp. Synthetic

/note= "hydroxyproline; C-terminal amide" 'note= "hydroxyproline" 'note= "hydroxyproline" Location/Qualifiers Modified-site Modified-site

WO9940788-A1

19-AUG-1999

99WO-US002554 05-FEB-1999; 98US-0075122P 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Prickett K; Beeley NRA, Vine W, Young AA,

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 50; Page 56; 94pp; English.

comprises administering an exendin or examin agonist, or a GLP-1 comprises administering an exendin or examin agonist. The new methods using an exendin, exendin agonist. GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist. GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences The invention relates to new methods of increasing urine flow that AAY31505-560 represent examples of exendin agonists compounds

Sequence 37 AA;

Check: 3293 37 February 4, 2005 13:19 Type: P (mohamed337.key) AAY31551 Length: 37 Found using 'seq4' (mc

HGEGTFTSDLSKOMEEBAVRLFIEWLKNGGPSSGAPP

to: 36 from: 1 1 match found in sequence: aay31552 ; Exendin agonist peptide. check: 333 (from "seq4ags.pep") TOIG of: aay31552 o

AAY31552 standard; peptide; 36 AA

AAY31552;

08-NOV-1999 (first entry)

Exendin agonist peptide

Exendin, agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diutesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contestlity; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

Heloderma sp. Synthetic

/note= "hydroxyproline; C-terminal amide" /note= "hydroxyproline" Location/Qualifiers Key Modified-site Modified-site

WO9940788-A1

19-AUG-1999.

99WO-US002554. 05-FEB-1999; 98US-0075122P. 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

WPI; 1999-527332/44

Young AA, Vine W, Beeley NRA, Prickett K;

Increasing urine flow by administering peptides or peptide agonists.

Example 51; Page 57; 94pp; English.

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, concentration and insolved with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/ clasured that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds

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XS
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Sequence 36 AA;

Check: 333 AAV31552 Length: 36 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP

check: 7463 from: 1 natch found in sequence:
 aay31553 ; Exendin agonist peptide.
 (from "seq4ags.pep")
 TOIG of: aay31553 check: 7463 fr

to: 35

AAY31553 standard, peptide; 35 AA 08-NOV-1999 (first entry) Exendin agonist peptide

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardacc contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow

Synthetic.

Heloderma sp.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9940788-A1

19-AUG-1999

99WO-US002554 05-FEB-1999;

98US-0075122P 13-FEB-1998;

PHARM INC (AMYL-) AMYLIN

Prickett K; Beeley NRA, Vine W, Young AA,

WPI; 1999-527332/44

Increasing urine flow by administering peptides or peptide agonists.

Example 52; Page 57; 94pp; English.

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precelampsia or calampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diureties, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds

Sequence 35 AA;

Check: 7463 2005 13:19 Type: P AAY31553 Length: 35 February 4, Found using 'seq4' (mohamed337.key)

RGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA

check: 4886 from: 1 match found in sequence: aay31554 ; Exendin agonist peptide. (from "seq4ags.pep" TOIG of: aay31554

to: 30

AAY31554;

AAY31554 standard; peptide; 30 AA.

08-NOV-1999 (first entry)

Exendin agonist peptide.

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; dirrhosis; hypertension; urine flow

Synthetic

Heloderma sp.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9940788-A1

19-AUG-1999.

99WO-US002554. 05-FEB-1999;

98US-0075122P 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Vine W, Beeley NRA, Prickett K; Young AA,

WPI; 1999-527332/44

Increasing urine flow by administering peptides or peptide agonists.

Example 53; Page 58; 94pp; English.

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin, exendin agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exending a disorder associated with toxic hypervolemia concreasing urine flow, decreasing potassium concentration in urine, or increasing urine flow, decreasing potassium concentration in urine, came, cirrhosis, or hypertension). They can also be used for inducing capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preceduate that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary dema, systemic edema or renal failure, pulmonary dema, systemic edema or renal failure, pulmonary dema, systemic contractility (congestive heart failure, pulmonary dema, systemic contractility (congestive heart failure) and increasing potassium loss, and are excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds

XS

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08-NOV-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                            AAY31556;
                                                                                                                                                                                                                                                                                                                                       ប្តប្តង្គន្ល
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, circeasing renal plasma flow and glomerular filltration rate, treating pre-clampsia or eclampsia of pregnancy, and increasing contractility disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                    February 4, 2005 13:19 Type: P Check: 4886
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                                                                                                                                                                                                                                                               to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note= "Naphtylalanine"
                                                                                                                                                                                                                                                             check: 369 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 54; Page 58; 94pp; English.
                                                                                                                                                                                                                                                                                                  AAY31555 standard; peptide; 28 AA.
                                                                                                                              HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beeley NRA,
                                                                                                                                                                                                       1 match found in sequence:
    aay31555 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31555 check: 369 from
                                                      AAY31554 Length: 30 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vine W,
                     Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   foung AA,
                                                                                                                                                                                                                                                                                                                                         AAY31555;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Key
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comprises administering an exemdin or exendin agonist, or a GLP-1 comprises administering an exemdin or exendin agonist, or a GLP-1 comprises administering an exemdin or exendin agonist. GLP-1 agonist are useful for comprise comparing using the figure of GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia creating or alleviating a disorder associated with toxic hypervolemia creating an individual for surgical procedure, capsestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or clampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                       AAY31555 Length: 28 February 4, 2005 13:19 Type: P Check: 369 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA, Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aay31556 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31556 check: 693 from
                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTXTSDLSKOLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-527332/44.
                                                                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO9940788-A1
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have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds SXXX

Sequence 28 AA;

AAY31556 Length: 28 February 4, 2005 13:19 Type: P Check: 693 Found using 'seq4' (mohamed337.key)

|-----HGEGTFSSDLSKOMEEEAVRLFIEWLKN

;; check: 701 from: 1 1 match found

28

AAY31557 standard; peptide; 28 AA.

AAY31557;

08-NOV-1999 (first entry)

Exendin agonist peptide.

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; duretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow

Synthetic

Heloderma sp.

28 /note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9940788-A1

19-AUG-1999

99WO-US002554. 05-FEB-1999;

(AMYL-) AMYLIN PHARM INC

Young AA, Vine W,

Prickett K;

Beeley NRA,

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 56; Page 59; 94pp; English.

comprises administering an exendin or exendin agonist, or a GLP-1 comprises administering an exendin or exendin agonist. The new methods using an exendin, exendin exendin or GLP-1 agonist. The new methods using an glucagon-like peptide) or GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-clampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, The invention relates to new methods of increasing urine flow that

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easily administered intravenously.
             exendin agonists compounds
 have a low toxicity, and are easily
AAY31505-560 represent examples of
low toxicity,
88868
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Sequence 28 AA;

Check: 701 February 4, 2005 13:19 Type: P AAY31557 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

HGEGTFSTDLSKOMEEEAVRLFIEWLKN

to: 28 check: 649 from: 1 1 match found in sequence:
aay31558; Exendin agonist peptide.
(from "seq4ags.pep; TOIG of: aay31558 check: 649 fro

AAY31558 standard; peptide; 28 AA.

AAY31558;

08-NOV-1999 (first entry)

Exendin agonist peptide.

Exendin, agonist, GLP-1; glucagon-11ke peptide; toxic hypervolemia; diucesis; renal plasma flow, glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardomoractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

Synthetic

Heloderma sp.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO9940788-A1

19-AUG-1999.

99WO-US002554. 05-FEB-1999;

98US-0075122P. 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Young AA, Vine W, Beeley NRA, Prickett K;

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 57; Page 60; 94pp; English.

Comparises administering an exemdin or exendin agonist, or a GLP-1 conversion or exendin agonist, or a GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia creventing or alleviating a disorder associated with toxic hypervolemia creasing or alleviating a disorder associated with toxic hypervolemia creasing or alleviating an individual for surgical procedure, increasing preparating an individual for surgical procedure, increasing an eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure, pulmonary edema, systemic edema or renal callure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excretion are acting. They have a prolonged duration of action, are inotropic, The invention relates to new methods of increasing urine flow that

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                                                                                                                                                                                                                                                     comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                          Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to new methods of increasing urine flow that
                                                               649
                                                              AAY31558 Length: 28 February 4, 2005 13:19 Type: P Check: Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   'note= "pentylglycine"
                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                  check: 211 from: 1
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                                                                                                                                                                                                                           AAY31559 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beeley NRA,
                                                                                                                                                              1 match found in sequence:
    aay31559 ; Exemdin agonist peptide.
    (from "seq4ags.pep")
    TOIG Of: aay31559 check: 211 fron
                                                                                                               HGEGTFTSELSKOMAEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99WO-US002554
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                                                                                                                                                                                                                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                      Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vine W,
                                     Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-PEB-1999;
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                                                                                                                                                                                                                                                    AAY31559;
 88833
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, reating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma fibw; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inorropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
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                                                                                                                                                                                                                                    AAY31559 Length: 28 February 4, 2005 13:19 Type: P Check: 211 Found using 'seq4' (mohamed337.key)
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HGEGTFTSDGSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aay31560 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (from "seq4ags.pep")
TOIG of: aay31560 c
                                                                                                                                                                        Sequence 28 AA;
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Modified-site
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comprises administering an exemdin or exemdin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia frenal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
(congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to new methods of increasing urine flow that
                                                                                                                                                                          AAY31560 Length: 28 February 4, 2005 13:19 Type: P Check: 657 Found using '8eq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prickett K;
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                                                                                                                                                                                                                                                                                                                                                                                       check: 1045 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31561 standard; peptide; 28 AA
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                                                                                                                                                                                                                                                                                                                             .1 match found in sequence:
aay31561 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                        HGEGTFTSDLSKQLEEEAVRLXIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hypertension; urine flow.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                   aay31561 ; Exendin ag
(from "seq4ags.pep")
                                                                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                             TOIG of: aay31561
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31561;
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                   Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                                               28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "C-terminal amide"
                                                                                                                                                                                                                   AAY31561 Length: 28 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31562 standard; peptide; 28 AA
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HGEGTFTSDLSKQMEEEAVRLFXEWLKN
1
                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aay31562; Bxendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31562 check: 237 fro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-527332/44
                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-FEB-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31562;
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-eclampsia or eclampsia of pregnancy, and increasing a condition/
disorder that can be alleviated by increasing cardiac contractility
(congestive heart failure, pulmonary edema, systemic edema or renal
failure). Unlike prior art diuretics, the new methods increase urine
excretion and sodium excretion without increasing potassium loss, and are
fast acting. They have a prolonged duration of action, are inctropic,
have a low toxicity, and are easily administered intravenously. Sequences
AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparting an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                               Check: 237
                                                                                                                                                                                                               Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prickett K,
                                                                                                                                                                                                                                                                                                                                                                                                                       to: 33
                                                                                                                                                                                                             28 February 4, 2005 13:19 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                       from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 62; Page 62; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31563 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                            HGEGTFTSDLSKQLEEEAVRLFIDFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                               aay31563 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                     check: 2215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-NOV-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                             match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vine W,
                                                                                                                                                                                                           AAY31562 Length: 28
Found using 'seq4' (mc
                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq4ags.pep")
TOIG of: aay31563 c
                                                                                                                                                                        Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31563;
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-eclampsia or eclampsia of pregnancy, and increasing a condition/
disorder that can be alleviated by increasing cardiac contractility
(congestive heart failure, pulmonary edema, systemic edema or renal
failure). Unlike prior art diuretics, the new methods increase urine
excretion and sodium excretion without increasing potassium loss, and are
fast acting. They have a prolonged duration of action, are increopic,
have a low toxicity, and are easily administered intravenously. Sequences
AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin; agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                     Check: 2215
                                                                                                                                                                                                                   Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                      29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                     February 4, 2005 13:19
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                                                                                                                                                                                                                                                                                                                                                                                         aay31564 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31564 check: 2649 from: 1
                                                                                                                                                                                                                                                                                              HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 63; Page 63; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31564 standard; peptide; 29 AA
                                                                                                                                                                                                                   AAY31563 Length: 33 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) - AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1999-527332/44.
                                                                                                                                                                              Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
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disorder that can be alleviated by increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                                                                                                                                                                                          AAY31505-560 represent examples of exendin agonists compounds
               88888888888
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Sequence 29 AA;

Check: 2649 AAY31564 Length: 29 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)

HGEGTFTSDASKQMEEEAVRLFIEWLKNG 1

to: 37 check: 3183 from: 1 aay31565 ; Exendin agonist peptide. (from "seq4ags.pep")
TOIG of: aay31565 check: 3183 fr match found in sequence:

AAY31565 standard; peptide; 37 AA.

(first entry) 08-NOV-1999

Exendin agonist peptide

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregenancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.

Heloderma sp. Synthetic.

note= "hydroxyproline" Location/Qualifiers Key Modified-site

/note= "hydroxyproline; C-terminal amide" Modified-site

WO9940788-A1

19-AUG-1999

99WO-US002554. 05-FEB-1999;

98US-0075122P 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Prickett K; Beeley NRA, Young AA, Vine W,

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 65; Page 64; 94pp; English.

The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing

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rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravencesty. Sequences AXX31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence represents an exendin peptide, and is a GLP-1 agonist. The invention relates to the use of a glucagon like peptide-1 (GLP-1), its analogue, derivative, or a GLP-1 agonist for the preparation of a medicament for delaying the progression of impaired glucose tolerance (IGT) or non-insulin requiring type II diabetes to insulin requiring type II diabetes. The invention also relates to the use of GLP-1, its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use of GLP-1, its analogs, derivatives and agonists for increasing insulin synthesis, delaying progression of impaired glucose tolerance or non-insulin requiring type II diabetes to insulin requiring type II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin; GLP-1; agonist; glucagon like peptide-1; insulin synthesis; impaired glucose tolerance; IGT; non-insulin requiring type II diabetes; insulin requiring type II diabetes.
                                                                                                                                                                                                                                        Type: P Check: 3183
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tromholt N,
                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 31
                                                                                                                                                                                                                                          AAY31565 Length: 37 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                   HGEGTFTSDASKQMEEEAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rugh S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                 check: 7617 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /label= Pro, Tyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY76998 standard; peptide; 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nielsen JH, Friedrichsen BN,
Knudsen LB, Sturis J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99WO-DK000424.
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                                                                                                                                                                                                                                                                                                                                                                                                               aay76998 ; Exendin peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2000-205569/18.
                                                                                                                                                                                                                                                                                                                                                                                            1, match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Misc-difference 31
                                                                                                                                                                                                                                                                                                                                                                                                                              (from "seq4ags.pep")
TOIG of: aay76998 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin peptide.
                                                                                                                                                                                                            Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200007617-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             31-JUL-1998;
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Found using 'seq4' (mohamed337.key)

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This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulin-producing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
analogues, derivatives and agonists for increasing the insulin synthesis capability of a subject. The GLP-1 derivative is Arg34,Lys26(N-epsilon-(gamma-Glu(N-alpha-hexadecanoy1)))-GLP-1(7-37). The GLP-1 agonist is particularly GLP-1(7-37) and GLP-1(7-35)amide and the corresponding Thr8, Met8, Gly8 and val8 analogues. The method is used for delaying progression of impaired glucose tolerance or non-insulin requiring type II diabetes and for increasing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet.
                                                                                                                                                                                                                              AAY76998 Length: 31 February 4, 2005 13:19 Type: P Check: 7617 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Greig N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 39
                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
    aay78957; Extendin-4 (1-39) active fragment.
    firom "seq4ags.pep")
    TOIG of: aay78957 check: 9570 from: 1 to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (USSH ) US DEPT HEALTH & HUMAN SERVICES.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Extendin-4 (1-39) active fragment.
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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY78957 standard; peptide; 39 AA
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                                                                                                                                                 insulin synthesis
                                                                                                                                                                                       Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200009666-A2
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AAY78957 Length: 39 February 4, 2005 13:20 Type: P Check: 9570

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This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of fragments can be used in the production of a population of insulin-producing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods may also be used do premote pancreatic amylase producing cells to maylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                        Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet.
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                                                                                  l match found in sequence:
ay78958; Extendin-4 (1-38) active fragment amino acid sequence.
(from "seq4ags pep")
TOIG of: aay78958 check: 6333 from: 1 to: 38
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ay/18959 : Extendin-4 (1-37) active fragment amino acid sequence.
(from "seq4ags pep")
TOIG of: aay/18959 check: 3293 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Passaniti A, Greig N, Holloway H;
                                                                                                                                                                                                                                                                                                                   Extendin-4 (1-38) active fragment amino acid sequence.
HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                        AAY78958 standard; peptide; 38 AA
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                                                                                                                                                                                                                                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma suspectum.
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                                                                                      1 match
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AAY78959

amylase;

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05-JUN-2000 (first entry)
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                                                                                                                                                                                                                               WPI; 2000-205999/18
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                    WO200009666-A2.
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TOIG of: aay78961
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   This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulinproducing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
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                                                                                                                                       -4; Gila Monster lizard; insulin producing cell; insulin; diabetes mellitus type 1; human; livestock; pet.
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axyY8960 ; Extendin-4 (1-36) active fragment amino acid sequence.
(from "seq4ags.pep")
TOIG of: aay78960 check: 333 from: 1 to: 36
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                                                                                                    Extendin-4 (1-37) active fragment amino acid sequence.
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AAY78959 standard; peptide; 37
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                                                                     (first entry)
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                                                                     05-JUN-2000
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mellitus

Egan J,

AAY78960;

SXXXXXXXXXXXXXX

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Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GiP-1) at causing insulin release from insulin producing cells. GiP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GiP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulinmethods may also be used to production of anylase producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
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aay78961 ; Extendin-4 (1-35) active fragment amino acid sequence.
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99WO-US018099
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seq4_ags.res

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Sequence 33 AA;
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                                     Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes
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aay78962 ; Extendin-4 (1-34) active fragment amino acid sequence.
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                                                                                         Disclosure; Page 17; 119pp; English.
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             WPI; 2000-205999/18
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of: aay78962 c
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and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulin-producing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes
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ay79863; Extendin-4 (1-33) active fragment amino acid sequence.
from "seq4gs.pep")
TOIG of: aay78963 check: 2764 from: 1 to: 33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY78963 standard; peptide; 33 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-205999/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200009666-A2
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33 February 4, 2005 13:20 Type: P Check: 2764
(mohamed337.key)

AAY78963 Length: 33 Found using 'seq4' (mo

AAY78965 standard; peptide; 31 AA.

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This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulin-producing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                          Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4, 2005 13:20 Type: P Check: 25.
                                                                                 1 match found in sequence:
aay78964; Extendin-4 (1-32) active fragment amino acid sequence.
from "seq4ags.pep")
TOIG Of: aay78964 check: 25 from: 1 to: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aay78965 ; Extendin-4 (1-31) active fragment amino acid sequence.
  (from "seq4ags.pep")
  TOIG of: aay78965 check: 7369 from: 1 to: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Passaniti A, Greig N, Holloway H;
                                                                                                                                                                                                                                                                                                                  Extendin-4 (1-32) active fragment amino acid sequence.
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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSS
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                                                                                                                                                                                          AAY78964 standard; peptide; 32 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY78964 Length: 32 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US018099,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0095917P
                                                                                                                                                                                                                                                                           05-JUN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Egan J, Perfetti R,
                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma suspectum.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200009666-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-FEB-2000
                                                                                                                                                                                                                                   AAY78964;
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This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantilies, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulinproducing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes mellitus.
                                                                                                                                             Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY78965 Length: 31 February 4, 2005 13:20 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
    aa778966 ; Extendin-4 (1-30) active fragment amino acid sequence.
    from "seq4ags.pep")
    TOIG of: aa778966 check: 4889 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                            Holloway H;
                                                                                                            Extendin-4 (1-31) active fragment amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Extendin-4 (1-30) active fragment amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                              Greig N,
                                                                                                                                                                                                                                                                                                                                                                                         (USSH ) US DEPT HEALTH & HUMAN SERVICES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 17; 119pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                              Passaniti A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY78966 standard; peptide; 30 AA
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP
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                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                              Perfetti R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-205999/18.
                                                                                                                                                                                                     Heloderma suspectum
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                                                                       05-JUN-2000
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                                AAY78965;
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                                                                                                                                                                                                                                                                                                                                                                                                                            Egan J,
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mellitus

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The present sequence represents an extendin-3 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; dlabetes.
                                                                                                                                                                                                                                                          Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY94010 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aay94011 ; Amino acid sequence of extendin-4.
(from "seq4ags.pep")
TOIG of: aay94011 check: 9570 from: 1 to:
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39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY94011 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                   Example 1; Fig 1; 96pp; English.
                                                                                                                                                                                                                                                                                                          hyperglucagonemia and diabetes.
                                          14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-2000; 2000WO-US000942.
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                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                           Gedulin B;
                                                                                                                                                                                                                      WPI; 2000-490999/43.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
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Modified-site
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30-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY94011;
                                                                                                                                                                           Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         diabetes
  This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantilies, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulinmethods may also be used to produce pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Extendin-3; Gila monster lizard; Mexican Beaded lizard; exendin;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                   Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY78966 Length: 30 February 4, 2005 13:20 Type: P Check: 4889
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                               Greig N, Holloway H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 39
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aay94010; Amino acid sequence of extendin-3.
                                                                                                                                                                                                                      (USSH ) US DEPT HEALTH & HUMAN SERVICES.
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  Heloderma suspectum.
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folG of: aay94010 o
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                                             WO200009666-A2
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                                                                                        24-FEB-2000
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AAY94010;

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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonna. The method is also useful for reating the hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema; glucagonoma; hyperglucagonemia, diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                   AAY94013 Length: 39 February 4, 2005 13:20 Type: P Check: 9131 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
aay94014; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG Of: aay94014 check: 9556 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                           |------HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                       Disclosure; Fig 3A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Fig 3A; 96pp; English
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                                     hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY94014 standard; peptide; 39
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                  Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                diabetes
   The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, the method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonema. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagonoma, glucagon, necrolytic erythema, glucagonoma,
                                                                                                                                             Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY94011 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aay94013 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
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                                                                                                                                                                                                                     Example 1; Fig 2; 96pp; English.
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10-JAN-2000; 2000US-0175365P.
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 10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOIG of: aay94013 check: 9131
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                                     (AMYL-) AMYLIN PHARM INC
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                                                                         Gedulin B;
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                                                                                                           WPI; 2000-490999/43.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
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                                                                         Young A,
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lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                     AAY94014 Length: 39 February 4, 2005 13:20 Type: P Check: 9556 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aay94015; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                          |-----|
HGEGTFTSDLSKQLEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY94015 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                 Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY94015;
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AMY94013-43 represent extendin agonists, derived from AAV94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, the method is useful for lowering plasma or glucagonnar. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma; hyperglucagonemia, diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
glucagon levels and/or suppression of glucagon, e.g. type 1 and type diabetes
                                                                                                   AAY94015 Length: 39 February 4, 2005 13:20 Type: P Check: 9145 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                            1 match found in sequence:
    aay94016; Amino acid sequence of an extendin agonist.
    (from "seq4ags.pep")
    TOIG of: aay94016 check: 9587 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amino acid sequence of an extendin agonist.
                                                                                                                                                                                    HGEGTFTSDLSKOMEEEAVRLFIEFLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                            AAY94016 standard; peptide; 39
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                  Sequence 39 AA;
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to: 39

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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic extythem a r glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                      Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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aay94019 ; Amino acid sequence of an extendin agonist.
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from: 1
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                                           AAY94018 standard; peptide; 39 AA
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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TOIG of: aay94018 check: 9567
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                                                                                                                                           20-OCT-2000 (first entry)
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of: aay94019 c
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30-APR-1999;
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                                                                                                                                                                                                                                                                                                                                           Synthetic
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                                                                                             AAY94018;
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                 1 match found in sequence:
aay94017; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94017 check: 9804 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                           Amino acid sequence of an extendin agonist.
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YGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-490999/43.
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WO200041548-A2.

20-JUL-2000

Young A,

Heloderma sp.

Synthetic

AAY94017;

: :

20-OCT-2000 (first entry)

1 match found in sequence: aay94018 ; Amino acid sequence of an extendin agonist. (from "seq4ags.pep")

Sequence 39 AA;

AAY94019;

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hyperglucagonemia; diabetes.
                                                                                    20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY94021;
                                                                                                                                                                                                               Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BXXXXXXXXXXXXX
 AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin gonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin, Gila monster lizard, Mexican Beaded lizard, agonist; glucagonoma; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
                    Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                              Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY94019 Length: 39 February 4, 2005 13:20 Type: P Check: 9678 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aay94020; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGIXISDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                     /note= "napthylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check: 9563 from: 1
                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Fig 3A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY94020 standard; peptide; 39 AA
                                                                                                                                                                                                                                               30-APR-1999; 99US-0132017P.
                                                                                                                                                                                                              14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                               Gedulin B;
                                                                                                                                                                                                                                                                                                                                      WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
                                                                                                                                                           WO200041548-A2
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                                                                                                                       Modified-site
                                                                                                                                                                                                                                     14-JAN-1999;
                                                                                  Heloderma sp.
                                                                                                                                                                                     20-JUL-2000
                                                                        Synthetic
                                                                                                                                                                                                                                                                                                               Young A,
44X6X6X6X6
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extending are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon level method is useful for lowering plasma glucagon level method is useful for reating from necrolytic hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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aay94021 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94021 check: 9571 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amino acid sequence of an extendin agonist.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure, Fig 3A, 96pp, English.
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                                                                                                                                                                                                                                                                                                                                                                14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-490999/43.
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                                                                                                                         WO200041548-A2
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Synthetic.
Heloderma sp.
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin, agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating erythem and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                        Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aay94023; Amino acid sequence of an extendin agonist. (from "seq4ags.pep")
TOIG of: aay94023 check: 9579 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amino acid sequence of an extendin agonist.
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HGEGTFTTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                             Disclosure, Fig 3A; 96pp; English.
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
                        Gedulin B;
                                                               WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200041548-A2
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Heloderma sp.
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                          Young A,
AAY94013-43 represent extendin agonists, derived from AAV94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating glucagon expected plucagon of glucagon of glucagon of glucagon of glucagon, e.g. type I and type 2 diabetes
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glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; dlabetes.
                                                                                                                                                                                                                                                                                                       Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aay94022 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94022 check: 9578 from: 1 to: 39
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                    14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                          14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                                                                                                             WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
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                                                                                                                                                                                                                    Young A,
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Fri Feb

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88666666666688888
                                       AAY94013-43 represent extendin agonists, derived from AAV94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating erythema or glucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; dlabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
aay94024 ; Amino acid sequence of an extendin agonist.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                      HGEGTFTSELSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
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               Disclosure, Fig 3A, 96pp, English.
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aay94024 check: 9690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amino acid sequence
                                                                                                                                                                                                                                             Sequence 39 AA;
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Modified-site
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XXXUUUUUU
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins

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are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, method is useful for lowering plasma glucagonma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                AAY94024 Length: 39 February 4, 2005 13:20 Type: P Check: 9690 Found using '8eq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     l match found in sequence:
    aay94025 ; Amino acid sequence of an extendin agonist.
    (from "seq4ags.pep")
    TOIG of: aay94025 check: 9251 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amino acid sequence of an extendin agonist.
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HGEGTFTSDXSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                           Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                  diabetes
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seq4_ags.res

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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating
exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aay94026 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                            |-----HGEGTFTSDXSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
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14
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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TOIG of: aay94026
                                                                                                                                                  Sequence 39 AA;
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Modified-site
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                                                                                             glucagon
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating erythema or glucagonoma. The method is also useful for treating glucagon levels and/or suppression of glucagon, e.g. type I and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
            would benefit from reduced
yon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
hyperglucagonemia and other conditions that would benefit from reduce
glucagon levels and/or suppression of glucagon, e.g. type 1 and type
diabetes
                                                                                                                 Check: 9724
                                                                                                               Type: P
                                                                                                                                                                                                                                                    1 match found in sequence:
aay94027 ; Amino acid sequence of an extendin agonist.
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Amino acid sequence of an extendin agonist.
                                                                                                                                                                                 HGEGTFTSDLSKQXEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                 2005 13:20
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                                                                                                                                                                                                                                                                                                                                        AAY94027 standard; peptide; 39 AA
                                                                                                                 39 February 4, (mohamed337.key)
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                 AAY94026 Length: 39 Found using 'seq4' (mc
                                                                                                                                                                                                                                                                                        (from "seq4ags.pep")
TOIG of: aay94027 c
                                                                                 Sequence 39 AA;
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Modified-site
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               883333
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AAV94013-43 represent extendin agonists, derived from AAV94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for rowering plasma or glucagonnen. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                  AAY94027 Length: 39 February 4, 2005 13:20 Type: P Check: 9299 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                           1 match found in sequence:
aay94028 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                        Amino acid sequence of an extendin agonist.
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HGEGTFTSDLSKQXEEEAVRLFIBFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "naphthylalanine"
                                                                                                                                                                                                               (from "seq4ags.pep")
TOIG of: aay94028 check: 9966 from: 1
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                                                                                                                                                                                                                                                                   AAY94028 standard; peptide; 39 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Fig 3A; 96pp; English,
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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 Sequence 39 AA;
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Modified-site
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon levels, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                   Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
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Found using 'seq4' (mohamed337.key)
                                                                          l match found in sequence:
aay94029; Amino acid sequence of an extendin agonist.
(from "seq4aga.pep")
TOIG of: aay94029 check: 9869 from: 1 to: 39
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HGEGTFTSDLSKQMEEEAVRLXIEWLKNGGPSSGAPPPS
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                                                                                                                                                                         AAY94029 standard; peptide; 39 AA
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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diabetes
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. match found in sequence: aay94030 ; Amino acid sequence of an extendin agonist.

1 match

AAY94028 Length: 39 February 4, 2005 13:20 Type: P Check: 9966 Found using 'seq4' (mohamed337.key)

AAY94030;

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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, the method is useful for lowering plasma or glucagonnar. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                          Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
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                                                                                                                                                                                                                                                                             /note= "tertiary-butyl glycine"
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                   Amino acid sequence of an extendin agonist.
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HGEGTFTSDLSKQMEEEAVRLFXEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-APR-1999; 99US-0132017P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gedulin B;
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TOIG of: aay94032 c
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                                                                                                                                                                                                                                   Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-JAN-1999;
                                                                                                                                                                                   Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                         20-JUL-2000.
                                                                                                                                                               Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young A,
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EXEXEXEX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering pragman or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                    Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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(from "seq4ags.pep")
TOIG of: aay94031 check: 9915 from: 1 to: 39
                          to: 39
                                                                                                                                                                                                             Amino acid sequence of an extendin agonist.
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                        from: 1
                                                                      AAY94030 standard; peptide; 39 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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(from "seq4ags.pep")
TOIG of: aay94030 check: 9430
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                                                                                                                                                             (first entry)
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Young A,

AAY94031;

SXXXE

diabetes

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Sequence 39 AA;
                                               WO200041548-A2
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    Heloderma sp.
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                                                                                                                                                                                                                                                                                                                      Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         diabetes
    AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for treating from necrolytic extythem are glucagonem. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2.
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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aay94033 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                     /note= "tertiary-butyl glycine"
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                                                                                                                                        Location/Qualifiers
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 39 AA;
                                                                                                                                                                                                                               WO200041548-A2
                                                                                                                                      Key
Modified-site
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                                                                                           Heloderma sp
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                                                                    Synthetic
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  $\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac{1}{2}$\frac
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic extythem or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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aay94034 ; Amino acid sequence of an extendin agonist.
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TOIG of: aay94034 check: 9131 from: 1
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14-JAN-2000; 2000WO-US000942.
                                                                             14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonnia. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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aay94036 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94036 check: 458 from: 1 to: 39
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  14-JAN-2000; 2000WO-US000942.
                                          14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                Young A, Gedulin B;
                                                                                                                                                                                                                           WPI; 2000-490999/43.
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Modified-site
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Heloderma sp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY94036;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 diabetes
  AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering blasma glucagonia. The method is also useful for reacting erythema or glucagonema. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                           Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY94034 Length: 39 February 4, 2005 13:20 Type: P Check: 9131 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aay94035 ; Amino acid sequence of an extendin agonist.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            check: 706 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
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38
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                                                                                                                                                                                                                                                                                                                     Disclosure, Fig 3B, 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY94035 standard; peptide; 39 AA
99US-0116380P.
99US-0132017P.
                                            10-JAN-2000; 2000US-0175365P
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                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                    Gedulin B;
                                                                                                                                                                                WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq4ags.pep"
TOIG of: aay94035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 39 AA;
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  14-JAN-1999;
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Heloderma sp.
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                                                                                                                                      Young A,
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonnan. The method is also useful for treating hyperglucagonman and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                               Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aay94038 ; Amino acid sequence of an extendin agonist.
(from "seq4aga.pep")
TOIG of: aay94038 check: 458 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amino acid sequence of an extendin agonist.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure, Fig 3B; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY94038 standard; peptide; 39 AA
                                                                                    14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                            14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                          Young A, Gedulin B;
                                                                                                                                                                                                                                                                       WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 39 AA;
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  20-JUL-2000.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diabetes
AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma arguegon non-conditions suffering from necrolytic hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aay94037; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94037 check: 706 from: 1 to: 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY94037 standard; peptide; 39 AA
                                       14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-2000; 2000WO-US000942
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                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                Gedulin B;
                                                                                                                                                                                                                          WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
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AMY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                  Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       L match found in sequence:
aay94040 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94040 check: 267 from: 1 to: 39
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HGEGTFTSDLSKQLBEEAVRLFIEFLKNGGXSSGAXXXS
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                                                                                               14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 39 AA;
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Heloderma a
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                                                                                                                                                                                                     Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         diabetes
   AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonna. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
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aay94039; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94039 check: 267 from: 1 to: 39
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/note= "thioproline"
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                               14-JAN-2000; 2000WO-US000942.
                                                              14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                  Gedulin B;
                                                                                                                                                                                                 WPI; 2000-490999/43.
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20-JUL-2000
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/note= "N-methylalanine"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2 diabetes
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aay94041 ; Amino acid sequence of an extendin agonist.
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TOIG of: aay94041 check: 706 from: 1 to: 39
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/note= "homoproline"
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonnam. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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TOIG of: aay94042 check: 458 from: 1 to: 39
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/note= "N-methylalanine"
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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/note= "N-methylalanine"
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 lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would banefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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TOIG of: aay94043 check: 267 from: 1 to: 39
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 /note= "N-methylalanine"
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                                                                                                         14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating erythema and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2
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(from "seq4ags.pep")
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                                                                       /note= "N-methylalanine"
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30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Fig 3B; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY94044 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                              14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                      14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-490999/43.
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Young A,

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The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful from metrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Extendin; Gila monster lizard, Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                          Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY94045 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . match found in sequence:
aay94046 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94046 check: 261 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "amidated residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure, Fig 4A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY94046 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKOMEBERAVRLFIEWLKN
                                                                                   14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                           14-JAN-2000; 2000WO-US000942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                type 1 and type 2 diabetes
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                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                           Young A, Gedulin B;
                                                                                                                                                                                                                                                                      WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200041548-A2
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Modified-site
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  20-JUL-2000.
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                            Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY94044 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . match found in sequence:
aay94045 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 28
/note= "amidated residue"
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TOIG of: aay94045 check: 700 from: 1
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Fig 4A; 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY94045 standard; peptide; 28 AA.
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1
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                      Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 30 AA;
                                           WO200041548-A2
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Modified-site
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                                                                                        20-JUL-2000
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Synthetic

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AAY94045;

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Extendin, Gila monster lizard, Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
    aay94048 ; Amino acid sequence of an extendin agonist.
    (from "seq4ags.pep")
    TOIG of: aay94048 check: 166 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY94047 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                           Disclosure; Fig 4A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY94048 standard; peptide; 28 AA
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HAEGTFTSDLSKQLEEEAVRLFIEFLKN
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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    (AMYL-) AMYLIN PHARM INC.
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                                                Gedulin B;
                                                                                          WPI; 2000-490999/43.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
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Modified-site
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                                                Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young A,
    The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin auseful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                        Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY94046 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)
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aay94047 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amino acid sequence of an extendin agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "amidated residue"
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28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY94047 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKQLEEEAVRLFIEFLKN
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99US-0132017P.
2000US-0175365P.
14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       type 1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-OCT-2000 (first entry)
                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                   Gedulin B;
                                                                                                                                                                             WPI; 2000-490999/43
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TOIG of: aay94047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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Modified-site
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30-APR-1999;
10-JAN-2000;
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                                                                                                                                   Young A,
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Type: P Check: 249

seq4_ags.res

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                          AAY94049 Length: 28 February 4, 2005 13:20 Type: P Check: 231
Found using 'seq4' (mohamed337.key)
                                       Disclosure; Fig 4A; 96pp; English.
 hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTATSDLSKOLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY94050;
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower blasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating byperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                   Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY94048 Length: 28 February 4, 2005 13:20 Type: P Check: 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aay94049 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "amidated residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check: 231 from: 1
                                                                                                             Disclosure, Fig 4A; 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY94049 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGAFTSDLSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-JAN-2000; 2000WO-US000942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-490999/43
WPI; 2000-490999/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq4ags.pep")
OIG of: aay94049 c
                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200041548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-OCT-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY94049;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young A,
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Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
          aay94050 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94050 check: 117 from: 1 to: 28
                                                                                                                                  Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                    /note= "amidated residue"
                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Fig 4A; 96pp; English
                                                           AAY94050 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                               99US-0116380P.
99US-0132017P.
                                                                                                                                                                                                                                                                                                                                       14-JAN-2000; 2000WO-US000942
                                                                                                                                                                                                                                                                                                                                                                                       10-JAN-2000; 2000US-0175365P
                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                        Young A, Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-490999/43.
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for merolytic erythema or glucagonona. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence represents a modified extendin or extendin agonist. Strendins are found in the sallywary glands of the Gila monster and Mexican Beaded lizard, anves sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Extendin, Gila monster lizard, Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY94050 Length: 28 February 4, 2005 13:20 Type: P Check: 117 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "amidated residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 151 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Fig 4A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY94051 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTADLSKQLEEEAVRLFIEFLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-JAN-2000; 2000WO-US000942
                                                                                                                                                                                                                                                                                                                                                           1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aay94051 ; Amino acid sequence
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-OCT-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200041548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOIG of: aay94051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY94051;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8 \pm 6 ```

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and bexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans,
describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also beeful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 151
 an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94051 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 ±0:
 Location/Qualifiers
 from: 1
 Disclosure; Fig 4A; 96pp; English.
 AAY94052 standard; peptide; 28 AA
 |------|
HGEGTFTSDASKQLEEEAVRLFIEFLKN
28
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 oţ
 14-JAN-2000; 2000WO-US000942.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Modified-site
 Heloderma sp.
 20-JUL-2000.
 Synthetic
 AAY94052;
```

useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes 8888888

Sequence 28 AA;

63 Check: AAY94052 Length: 28 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)

|------| HGEGTPTSDLAKQLEEEAVRLFIEFLKN 1

. match found in sequence: aay94053 ; Amino acid sequence of an extendin agonist. (from "seq4ags.pep") TOIG of: aay94053 check: 141 from: 1 to: 28

AAY94053 standard; peptide; 28 AA

AAY94053;

20-OCT-2000 (first entry)

Amino acid sequence of an extendin agonist

Extendin, Gila monster lizard, Mexican Beaded lizard, agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.

Synthetic

Heloderma sp.

28 /note= "amidated residue" Location/Qualifiers Key Modified-site

WO200041548-A2

20-JUL-2000

14-JAN-2000; 2000WO-US000942

14-JAN-1999; 99US-0116380P 30-APR-1999; 99US-0132017P 10-JAN-2000; 2000US-0175365P.

(AMYL-) AMYLIN PHARM INC

Gedulin B; Young A, WPI; 2000-490999/43.

Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.

Disclosure; Fig 4A; 96pp; English.

The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and have sequence similarity to glucagon-like petiddes. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also beseful for treating byperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. 

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AAY94053 Length: 28 February 4, 2005 13:20 Type: P Check: 141
Found using 'seq4' (mohamed337.key)
 Sequence 28 AA;
χg
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HGEGTFTSDLSAQLEEEAVRLFIEFLKN

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1 match found in sequence:
aayy94054 ; Amino acid sequence of an extendin agonist.
(from seq4ads.pep")
TOIG of: aay94054 check: 53 from: 1 to: 28
```

Æ AAY94054 standard, peptide; 28

AAY94054;

20-OCT-2000 (first entry)

Amino acid sequence of an extendin agonist.

Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes. 

Synthetic

Heloderma sp

/note= "amidated residue" Location/Qualifiers Key Modified-site

WO200041548-A2

20-JUL-2000.

14-JAN-2000; 2000WO-US000942

14-JAN-1999; 99US-0116380P. 30-APR-1999; 99US-0132017P. 10-JAN-2000; 2000US-0175365P.

(AMYL-) AMYLIN PHARM INC.

Young A, Gedulin B;

WPI; 2000-490999/43.

Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.

Disclosure; Fig 4A; 96pp; English.

The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence smilarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful from necrolytic erythema or glucagonner. The method is also useful for reating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes

Sequence 28 AA;

AAY94054 Length: 28 February 4, 2005 13:20 Type: P Check:

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94055 Length: 28 February 4, 2005 13:20 Type: P Check: 107 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
 aay94055 ; Amino acid sequence of an extendin agonist.
 (from "seq4ags.pep")
 TOIG of: aay94055 check: 107 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 AAY94055 standard; peptide; 28 AA
 Disclosure, Fig 4A, 96pp, English.
 HGEGTFTSDLSKALEEEAVRLFIEFLKN
Found using 'seg4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 20-OCT-2000
 20-JUL-2000
 Synthetic
 AAY94055
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering planma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from neorolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 dlabetes
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 201
 AAY94056 Length: 28 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
match found in sequence:
aay94056 ; Amino acid sequence of an extendin agonist.
(from "seq4ags pep")
TOIG of: aay94056 check: 201 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure, Fig 4A; 96pp; English.
 AAY94056 standard; peptide; 28
 14-JAN-2000; 2000WO-US000942.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 WO200041548-A2
 Sequence 28 AA;
 Key
Modified-site
 20-0CT-2000
 Heloderma sp
 20-JUL-2000.
 Synthetic.
 AAY94056;
 Young A,
```

HGEGTFTSDLSKQLAEEAVRLFIEFLKN

1 match found in sequence:

HGEGTFTSDLSKQAEEEAVRLFIEFLKN

Fri Feb

Synthetic.

AAY94057

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon, comprising administering an exendin, an exendin glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is sulfering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94058 Length: 28 February 4, 2005 13:20 Type: P Check: 193
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
 aay94639; Amino acid sequence of an extendin agonist.
 ifrom "seq4843.pep")
 TOIG Of: aay94059 check: 9862 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94058 standard; peptide; 28 AA.
 AAY94059 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEAAVRLFIEFLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 20-OCT-2000
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94058;
 Young A,
 AAY94059;
 BXXX
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94057 Length: 28 February 4, 2005 13:20 Type: P Check: 197
 1 match found in sequence:
aay94058 ; Amino acid sequence of an extendin agonist.
aay94057 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 (from "seq4ags.pep")
TOIG of: aay94058 check: 193 from: 1 to:
 Location/Qualifiers
 from: 1
 AAY94057 standard; peptide; 28 AA
 Disclosure, Fig 4A; 96pp; English.
 |------|
HGEGTFTSDLSKQLEAEAVRLFIEFLKN
1
 Found using 'seq4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 197
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94057
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp.
 20-OCT-2000
 20-JUL-2000
```

Young A,

/note= "amidated residue"

99US-0116380P

Gedulin B;

Location/Qualifiers 28

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Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 The present sequence represents a modified extendin or
 Disclosure; Fig 4A; 96pp; English.
 14-JAN-2000; 2000WO-US000942
 10-JAN-2000; 2000US-0175365P.
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2000-490999/43.
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 14-JAN-1999;
30-APR-1999;
 20-JUL-2000.
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94059 Length: 28 February 4, 2005 13:20 Type: P Check: 9862 Found using 'seq4' (mohamed337.key)
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure, Fig 4A; 96pp; English
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic
 foung A,
```

extendin agonist.

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Extending are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also benefit from reduced glucagon levels and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; dlabetes.
 Check: 9921
 Type: P
 . match found in sequence:
aay94061 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 28
 2005 13:20
 ij
 from: 1
 AAY94061 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEEAVALFIEFLKN
1
 AAY94060 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 (first entry)
 check: 30
 (from "seq4ags.pep")
TOIG of: aay94061
 Sequence 28 AA;
 20-0CT-2000
 AAY94061;
```

match found in sequence: aay94060 ; Amino acid sequence of an extendin agonist. (from "seq4ags pep") TOIG of: aay94060 check: 9921 from: 1 to: 28

HGEGTFTSDLSKQLEEEAARLFIEFLKN 1

28 AA

AAY94060 standard; peptide;

Amino acid sequence of an extendin agonist.

20-OCT-2000 (first entry)

AAY94060;

```
Modified-site
 WO200041548-A2
 Heloderma sp
 20-JUL-2000
 AAY94063;
 Synthetic
 Young A,
 DX LL L X S S X & M X X B X L X Y X L X A X L A X L X A X L
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist;
glucagon-like peptide; plaama glucagon, necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94061 Length: 28 February 4, 2005 13:20 Type: P Check: 30 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
aay94062; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94062 check: 165 from: 1 to: 28
 Amino acid sequence of an extendin agonist
 /note= "amidated residue"
 Location/Qualifiers
28
 Location/Qualifiers
 Disclosure, Fig 4A; 96pp; English
 AAY94062 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEEAVRAFIEFLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
Synthetic.
Heloderma sp.
 Heloderma sp.
 20-JUL-2000.
 Synthetic.
 Young A,
 že
Š
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Baaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is suffering from necrolytic erythema or glucagonna. The method is suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 2005 13:20 Type: P Check: 165
 1 match found in sequence:
aay94063 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
/note= "amidated residue"
 /note= "amidated residue"
 ::
::
 Location/Qualifiers
 from: 1
 Disclosure; Fig 4A; 96pp; English.
 AAY94063 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEEAVRLFIAFLKN
 AAY94062 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 14-JAN-2000; 2000WO-US000942.
 99US-0116380P.
 10-JAN-2000; 2000US-0175365P.
 20-OCT-2000 (first entry)
 check: 136
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94063 c
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
 30-APR-1999;
```

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Key
Modified-site
 Heloderma sp
 20-JUL-2000.
 Synthetic
 AAY94065;
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Excendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for rowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist,
glucagon-like peptide, plasma glucagon, necrolytic erythema; glucagonoma,
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94063 Length: 28 February 4, 2005 13:20 Type: P Check: 136 Found using 'seq4' (mohamed337.key)
 match found in sequence:
aay94064 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 from: 1
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94064 standard; peptide; 28 AA
 hyperglucagonemia and diabetes.
 HGEGTFTSDLSKQLEEEAVRLFIEALKN
 14-JAN-2000; 2000WO-US000942
 14-JAN-2000; 2000WO-US000942
 99US-0116380P
 30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P
 glucagon-like peptide; plasm
hyperglucagonemia; diabetes.
 check: 9975
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 TOIG of: aay94064
 Modified-site
 14-JAN-1999;
 Heloderma sp.
 20-JUL-2000.
 20-JUL-2000
 Synthetic
 AAY94064;
 Young A,
 1 match
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin, an exendin agonist. a modified exendin or a modified exendin sonist. These compounds lower plasma glucagon level. The method is suffering from necrolytic erythema or glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 dlabetes
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 9975
 . match found in sequence:
aay9405; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94065 check: 9991 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 AAY94064 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English
 AAY94065 standard; peptide; 28 AA
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFAKN
1
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification as exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon, comprising administering an exendin plasma glucagon is subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified
 AAY94066 Length: 28 February 4, 2005 13:20 Type: P Check: 9897
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94067; Amino acid sequence of an extendin agonist.
(from 'seq4ags.pep")
TOIG Of: aay94067 check: 6333 from: 1 to: 38
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 Z
 AAY94067 standard; peptide; 38
 HGEGTFTSDLSKQLEEEAVRLFIEFLKA
 14-JAN-2000; 2000WO-US000942.
 99US-0116380P.
 10-JAN-2000; 2000US-0175365P.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43
 WPI; 2000-490999/43
 Seguence 28 AA;
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
 Heloderma sp
 20-JUL-2000.
 Synthetic
 AAY94067;
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94065 Length: 28 February 4, 2005 13:20 Type: P Check: 9991 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
aay94066; Amino acid sequence of an extendin agonist.
{from "seq4ags.pep"}
TOIG of: aay94066 check: 9897 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure, Fig 4A; 96pp, English.
 AAY94066 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEEAVRLFIEFLAN
1
 30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 99US-0116380P
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 14-JAN-1999;
 20-JUL-2000
 Young A,
 AAY94066;
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Baaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Check: 6333
exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P
 aay94068 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94068 check: 5894 from: 1 to: 38
 Amino acid sequence of an extendin agonist.
 AAY94067 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 38
/note= "amidated residue"
 HGEGTPTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94068 standard; peptide; 38 AA.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 1 match found in sequence:
 Sequence 38 AA;
 WO200041548-A2
 Modified-site
 Heloderma sp.
 20-0CT-2000
 20-JUL-2000
 Synthetic
 AAY94068;
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Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.

(AMYL-) AMYLIN PHARM INC

Gedulin B;

Young A,

WPI; 2000-490999/43.

Disclosure; Fig 4A; 96pp; English

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin asonist. These compounds lower plasma glucagon level. The method is suffering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonna. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94068 Length: 38 February 4, 2005 13:20 Type: P Check: 5894 Found using 'seq4' (mohamed337.key)
 of an extendin agonist
 37
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
 check: 3293 from: 1
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94069 standard; peptide; 37 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 . match found in sequence:
aay94069; Amino acid sequence
(from "seq4ags,pep")
TOIG of: aay94069 check: 3293
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 38 AA;
 WO200041548-A2
 Key
Modified-site
 20-JUL-2000.
 Synthetic.
Heloderma a
 AAY94069;
 Young A,

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Fri Feb

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peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist,
glucagon-like peptide, plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 3293
 aay94070 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 AAY94069 Length: 37 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 /note= "amidated residue"
 ä
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English,
 AAY94070 standard; peptide; 37 AA
 14-JAN-1999; 99US-0116380P
30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000942
 check: 2854
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 1 match found in sequence:
 Gedulin B;
 WPI; 2000-490999/43.
 n "seq4ags.pep")
of: aay94070 c
 Sequence 37 AA;
 WO200041548-A2
 Modified-site
 Synthetic.
Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 Young A,
 AAY94070;
 (from
 888888888888888
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or sufficient plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for mercolytic erythema or glucagonnlevel, preferably humans, useful from mercolytic erythema or glucagonna. The method is a sloouseful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagonoma, glucagonomi, necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 Check: 2854
 Type: P
 1 match found in sequence:
aay94071 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94070 Length: 37 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPP
 Location/Qualifiers
 from: 1
 Disclosure, Fig 4A; 96pp; English.
 AAY94071 standard; peptide; 36 AA
 diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 333
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 hyperglucagonemia and
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94071 c
 Sequence 37 AA;
 Key
Modified-site
 WO200041548-A2
 20-JUL-2000.
 Heloderma
 Synthetic
 AAY94071;
 Young A,
 88888888
```

seq4\_ags.res

Check: 9894

Type: P

AAY94072 Length: 36 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 333
 match found in sequence:
aay94072; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94072 check: 9894 from: 1 to: 36
 Amino acid sequence of an extendin agonist.
 AAY94071 Length: 36 February 4, 2005 13:20 Found using 'seq4' (mohamed337:key)
 /note= "amidated residue"
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
 Location/Qualifiers
 AAY94072 standard; peptide; 36 AA
 Disclosure; Fig 4A; 96pp; English
 14-JAN-2000; 2000WO-US000942.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 36 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 20-JUL-2000
 Young A,
 AAY94071
ន្តដូល
```

Sequence 36 AA;

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and mexican Badded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94073 Length: 35 February 4, 2005 13:20 Type: P Check: 7453 Found using 'seq4' (mohamed337.key)
 aay94073; Amino acid sequence of an extendin agonist. (from "seq4ags.pep")
TOIG of: aay94073 check: 7453 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP
 from: 1
 Location/Qualifiers
 AAY94073 standard, peptide, 35 AA
 Disclosure; Fig 4A; 96pp; English.
 14-JAN-2000; 2000WO-US000942.
 99US-0116380P.
 30-APR-1999; 99US-0132017P.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 1 match found in sequence:
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 35 AA;
 WO200041548-A2
 Key
Modified-site
 20-OCT-2000
 Heloderma sp.
 14-JAN-1999;
 20-JUL-2000.
 Synthetic:
 AAY94073;
 Young A,
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Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
match found in sequence:
aay94075; Amino acid sequence of an extendin agonist.
(from "seq4ags pep")
TOIG of: aay94075 check: 5178 from: 1 to: 34
 Amino acid sequence of an extendin agonist.
 AAY94075 standard; peptide; 34 AA
 14-JAN-2000; 2000WO-US000942.
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 AAY94075;
 The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising daministering an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
 ušeful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94074 Length: 35 February 4, 2005 13:20 Type: P Check: 7014
Found using 'seq4' (mohamed337.key)
 l match found in sequence:
 aay94074; Amino acid sequence of an extendin agonist.
 (from "seq4ags.pep")
 TOIG of: aay94074 check: 7014 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
 Location/Qualifiers
 Disclosure, Fig 4A; 96pp; English.
 35 AA
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 AAY94074 standard, peptide;
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 35 AA;
 WO200041548-A2
 Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic
 AAY94074;
 Young A,
 1 match found
 Key
```

/note= "amidated residue"

Location/Qualifiers

(first entry)

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon, comprising administering an exendin, an exemplation of a modified exendin useful for Iowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 5178
 1 match found in sequence:
aay94076 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aagy94076 check: 4739 from: 1 to: 34
 AAY94075 Length: 34 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSG
 Disclosure; Fig 4A; 96pp; English.
14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 34 AA;
 Young A,
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**HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA** 

Synthetic.

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans,
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94077 Length: 33 February 4, 2005 13:20 Type: P Check: 2764
 1 match found in sequence:
aay94078 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 check: 2325 from: 1
 Location/Qualifiers
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
 Disclosure; Fig 4A; 96pp; English.
 Ą
 hyperglucagonemia and diabetes.
 AAY94078 standard; peptide; 33
 Found using 'seq4' (mohamed337.key
 14-JAN-2000; 2000WO-US000942
 99US-0116380P.
 10-JAN-2000; 2000US-0175365P
 20-OCT-2000 (first entry)
 type 1 and type 2 diabetes
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94078 c
 Sequence 33 AA;
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
 Heloderma sp
 0-APR-1999;
 20-JUL-2000
 Synthetic
 AAY94078;
 Young A,
即以は以以は田
 The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon is subjects, preferably humans, suffering from nercolytic erythema or glucagonoma. The method is also
 glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94076 Length: 34 February 4, 2005 13:20 Type: P Check: 4739 ound using 'seq4' (mohamed337.key)
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
 1 match found in sequence:
 aay94077 ; Amino acid sequence of an extendin agonist.
 (from "seq4ags.pep")
 TOIG of: aay94077 check: 2764 from: 1 to: 33
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG
 Location/Qualifiers
 AAY94076 standard; peptide; 34 AA.
 Disclosure; Fig 4A; 96pp; English.
 99US-0116380P.
 14-JAN-2000; 2000WO-US000942
 30-APR-1999; 99US-0132017P
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 34 AA;
 WO200041548-A2
 Modified-site
 Found using 'seq4'
 Heloderma sp.
 14-JAN-1999;
 20-OCT-2000
 20-JUL-2000
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Young A,

to: 33

Amino acid sequence of an extendin agonist.

20-OCT-2000 (first entry)

AAY94077 standard; peptide; 33 AA

AAY94077;

SXB

/note= "amidated residue"

Location/Qualifiers

```
WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
30-APR-1999;
 Heloderma sp.
 Heloderma sp.
 20-JUL-2000
 Synthetic.
 Synthetic
 AAY94080;
 X S S X Z X Z X E X I X Y X I
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence shimlarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94078 Length: 33 February 4, 2005 13:20 Type: P Check: 2325 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
aay94079; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94079 check: 25 from: 1 to: 32
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
33
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
 Disclosure; Fig 4A; 96pp; English.
 AAY94079 standard; peptide; 32 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 33 AA;
 WO200041548-A2
 Key
Modified-site
 deloderma sp.
 20-JUL-2000
 Synthetic
 AAY94079;
 Young A,
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Extending are found in the sailvary glands of the Gila monster and wexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also benefit from reduced glucagon end other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 The present sequence represents a modified extendin or extendin agonist.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 25
 February 4, 2005 13:20 Type: P
 1 match found in sequence:
aay94080 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 to:
 check: 9586 from: 1
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPS
 Disclosure; Fig 4A; 96pp; English.
 Ź
 AAY94080 standard; peptide; 32
 AAY94079 Length: 32 February 4, Found using 'seq4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94080 c
 Sequence 32 AA;
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WO200041548-A2
 Sequence 31 AA;
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
 Synthetic.
Heloderma sp.
 30-APR-1999;
 20-JUL-2000
 20-JUL-2000
 Young A,
 AAY94082;
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94080 Length: 32 February 4, 2005 13:20 Type: P Check: 9586 Found using 'seq4' (mohamed337.key)
 aay94081 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94081 check: 7369 from: 1 to: 31
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 31
/note= "amidated residue"
Location/Qualifiers
 Location/Qualifiers
 HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPS
 Disclosure; Fig 4A; 96pp; English,
 31 AA
 14-JAN-1999; 99US-0116380P
30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000942
 AAY94081 standard; peptide;
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 1 match found in sequence:
 Sequence 32 AA;
 WO200041548-A2
 Key
Modified-site
 Key
Modified-site
 Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 Synthetic
 Young A,
 AAY94081;
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The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans,
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagonoma; glucagonoma; hyperglucagonemia; diabetes.
 suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94081 Length: 31 February 4, 2005 13:20 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
aay94082; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94082 check: 6930 from: 1 to: 31
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 |-----|
| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP
 AAY94082 standard; peptide; 31 AA
14-JAN-2000; 2000WO-US000942
 99US-0116380P.
 10-JAN-2000; 2000US-0175365P
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
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Fri Feb

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also beseful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Glla monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 4450
 . match found in sequence:
aay94084 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
 Amino acid sequence of an extendin agonist.
 AAY94083 Length: 30 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 ;
;
 /note= "amidated residue"
 check: 2759 from: 1
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English
 AAY94084 standard; peptide; 29 AA
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
28
 10-JAN-2000; 2000US-0175365P.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 30 AA;
 WO200041548-A2
 TOIG of: aay94084
 Modified-site
 Heloderma sp
 20-JUL-2000.
 AAY94084;
 Synthetic
 Young A,
 AAY94083
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94082 Length: 31 February 4, 2005 13:20 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94083; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94083 check: 4450 from: 1 to: 30
 Amino acid sequence of an extendin agonist
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
 AAY94083 standard; peptide; 30 AA
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 99US-0116380P.
14-JAN-2000; 2000WO-US000942
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 31 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 14-JAN-1999;
30-APR-1999;
 20-OCT-2000
 20-JUL-2000
 Synthetic
 AAY94083;
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type I and type 2 diabetes
 Extendin, Gila monster lizard, Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94085 Length: 29 February 4, 2005 13:20 Type: P Check: 2320 Found using 'seq4' (mohamed337.key)
 l match found in sequence:
aay94086; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94086 check: 6333 from: 1 to: 38
 /note= "amidated thioproline"
 Amino acid sequence of an extendin agonist.
 /note= "thioproline"
 /note= "thioproline"
 note= "thioproline"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94086 standard; peptide; 38 AA
 |------|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNG
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 Sequence 29 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Modified-site
 Modified-site
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94086;
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist;
glucagon-like peptide, plasma glucagon; necrolytic erythema, glucagonoma;
hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 February 4, 2005 13:20 Type: P Check: 2759
 1 match found in sequence:
aayy6185; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aaay94085 check: 2320 from: 1 to: 29
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure, Fig 4A; 96pp; English
 AAY94085 standard; peptide; 29 AA
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
1
 AAY94084 Length: 29 February 4, Found using 'seq4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 Gedulin B;
 WPI; 2000-490999/43.
 WPI; 2000-490999/43
 Sequence 29 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic.
 Young A,
 AAY94085;
 foung A,
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WPI; 2000-490999/43.
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Baaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 *AAY94086 Length: 38 February 4, 2005 13:20 Type: P Check: 6333 Found using 'seq4' (mohamed337.key)
 aay94087 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94087 check: 6333 from: 1 to: 38
 38
/note= "amidated thioproline"
 Amino acid sequence of an extendin agonist.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
 note= "thioproline"
 note= "thioproline"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English
 AAY94087 standard; peptide; 38 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 1 match found in sequence:
 Gedulin B;
WPI; 2000-490999/43.
 Sequence 38 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Modified-site
 Synthetic.
Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 AAY94087;
 foung A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or suffering plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for mecrolytic erythema or glucagonoma. The method is also useful for mecrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 6333
 1 match found in sequence:
aay94088 ; Amino acid sequence of an extendin agonist.
 to: 37
 Amino acid sequence of an extendin agonist.
 AAY94087 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 /note= "amidated residue"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
 /note= "N-methylalanine"
 (from "seq4ags.pep")
TOIG of: aay94088 check: 3541 from: 1
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94088 standard; peptide; 37 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 Sequence 38 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Heloderma sp
 20-JUL-2000.
 Synthetic
 AAY94088;
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Fri Feb

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for rowering plasma glucagon is subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
 glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; dlabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94088 Length: 37 February 4, 2005 13:20 Type: P Check: 3541 Found using 'seq4' (mohamed337.key)
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
 1 match found in sequence:
aay94089; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94089 check: 4125 from: 1 to: 37
 'note= "amidated N-methylalanine"
 Amino acid sequence of an extendin agonist.
 /note= "N-methylalanine"
 /note= "N-methylalanine"
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP
 Location/Qualifiers
 Disclosure, Fig 4B; 96pp; English.
 AAY94089 standard; peptide; 37 AA
 99US-0116380P.
99US-0132017P.
2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 37 AA;
 WO200041548-A2
 14-JAN-1999;
 Modified-site
 Modified-site
 Modified-site
 30-APR-1999;
10-JAN-2000;
 Heloderma sp.
 20-JUL-2000
 Synthetic.
 AAY94089;
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin as useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94089 Length: 37 February 4, 2005 13:20 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94090 ; Amino acid sequence of an extendin agonist.
(frow "seq4ags.pep")
TOIG of: aay94090 check: 3293 from: 1 to: 37
 'note= "amidated homoproline"
 Amino acid sequence of an extendin agonist.
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXX
 'note= "homoproline"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94090 standard; peptide; 37 AA
 hyperglucagonemia and diabetes.
 14-JAN-2000; 2000WO-US000942.
 99US-0116380P.
 30-APR-1999; 99US-0132017P.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 /note=
 Young A, Gedulin B;
 WPI; 2000-490999/43
 Sequence 37 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Modified-site
 14-JAN-1999;
 gg
 20-JUL-2000.
 Heloderma
 Synthetic.
 AAY94090;
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The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans,
 Extendin; Gida[#]monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2 diabetes
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94090 Length: 37 Pebruary 4, 2005 13:20 Type: P Check: 3293 Found using 'seq4' (mohamed337.key)
 match found in sequence:
aay94091; Amino acid sequence of an extendin agonist.
(from "seq4ags pep")
TOIG of: aay94091 check: 333 from: 1 to: 36
 /note= "amidated homoproline"
 Amino acid sequence of an extendin agonist.
 |-----|
| HGBGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP
 'note= "homoproline"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94091 standard; peptide; 36 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 37 AA;
 WO200041548-A2
 Modified-site
 Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic.
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94091 Length: 36 February 4, 2005.13:20 Type: P Check: 333 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94092 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94092 check: 7463 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 HGEGTFTSDLSKOMEEEAVRLF1EWLKNGGPSSGAP
 Disclosure; Fig 4B; 96pp; English.
 Disclosure; Fig 4B; 96pp; English.
 AAY94092 standard; peptide; 35 AA
hyperglucagonemia and diabetes.
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2000-490999/43.
 Sequence 36 AA;
 WO200041548-A2.
 20-OCT-2000
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94092;
 Young A,
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The method is also

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The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans,
describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also beseful for treathed hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagonoma; glucagonoma; byperglucagonemia; diabetes.
 modified
 AAY94092 Length: 35 February 4, 2005 13:20 Type: P Check: 7463 Found using '8eq4' (mohamed337.key)
 Lowering plasma glucagon using exendin, an exendin agonist, exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 match found in sequence:
aay94093 , Amino acid sequence of an extendin agonist.
 to: 30
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 RGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
 check: 4886 from: 1
 Location/Qualifiers
 AAY94093 standard; peptide; 30 AA.
 Disclosure; Fig 4B; 96pp; English
 14-JAN-2000; 2000WO-US000942.
 30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 99US-0116380P
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94093
 Sequence 35 AA;
 14-JAN-1999;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic
 AAY94093;
 Young A,
 88888888888888
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification an exendin an exendin aponist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon, lovel. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would
 useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 a modified
 AAY94093 Length: 30 February 4, 2005 13:20 Type: P Check: 4886 Found using 'seq4' (mohamed337.key)
 Lowering plasma glucagon using exendin, an exendin agonist, exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
suffering from necrolytic erythema or glucagonoma.
 1 match found in sequence:
aay94094 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94094 check: 369 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 |-----|
HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
 AAY94094 standard; peptide; 28
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 /note=
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 30 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94094;
 Young A,
 ន្តដ្ឋដូច្ច
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Boaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 369
 AAY94094 Length: 28 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94095; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aag94095 check: 693 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 28
/note= "amidated residue"
 Location/Qualifiers
 AAY94095 standard; peptide; 28 AA.
 Disclosure; Fig 4B; 96pp; English
 HGEGTXTSDLSKQLEEEAVRLFIEFLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Sequence 28 AA
 Key
Modified-site
 14-JAN-1999;
30-APR-1999;
 Heloderma sp.
 20-OCT-2000
 20-JUL-2000.
 Synthetic
 Young A,
 AAY94095;
SXXS
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon is subjects, preferably humans, useful for mercolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagonoma, glucagonoma, hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
Check: 693
Type: P
 match found in sequence:
aay94096 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
4, 2005 13:20
 Location/Qualifiers
 from: 1
 Disclosure; Fig 4B; 96pp; English.
 AAY94096 standard; peptide; 28 AA.
 HGEGTFSSDLSKQMEEEAVRLFIEWLKN
1
AAY94095 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 benefit from reduced glucatype 1 and type 2 diabetes
 check: 701
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94096 c
 Key
Modified-site
 Sequence 28 AA;
 WO200041548-A2
 20-JUL-2000.
 Synthetic.
Heloderma
 AAY94096;
 Young A,
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AAY94096 Length: 28 February 4, 2005 13:20 Type: P Check: 701 Found using 'seq4' (mohamed337.key)

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin useful for lowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonnae. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 1 match found in sequence:
aay94097 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 to: 28
 /note= "amidated residue"
 (from "seq4ags.pep")
TOIG of: aay94097 check: 649 from: 1
 Location/Qualifiers
 Disclosure, Fig 4B; 96pp; English.
 AAY94097 standard; peptide; 28 AA
HGEGTFSTDLSKQMEEEAVRLFIEWLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic
 AAY94097;
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or such some setul for lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
found in sequence:
 Amino acid sequence of an extendin agonist
 /note= "amidated residue"
 ن
 /note= "pentylglycine"
 Location/Qualifiers
 (from "seq4ags.pep")
TOIG of: aay94098 check: 211 from: 1
 Disclosure; Fig 4B; 96pp; English.
 AAY94098 standard; peptide; 28 AA
 14-JAN-2000; 2000WO-US000942.
 30-APR-1999; 99US-0132017P.
 99US-0116380P
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Modified-site
 Modified-site
 14-JAN-1999;
 Heloderma sp
 20-JUL-2000.
 Synthetic
 AAY94098;
 aay94098
 match
```

2005 13:20 Type: P Check: 211

|-----HGEGTFTSDGSKQLEEEAVRLFIEFLKN 28

1 match found in sequence:

AAY94098 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

AAY94098

AAY94097 Length: 28 February 4, 2005 13:20 Type: P Check: 649 Found using 'seq4' (mohamed337.key)

HGEGTFTSELSKOMAEEAVRLFIEWLKN

to: 28

from: 1

TOIG of: aay94100 check: 1045

AAY94100 standard; peptide; 28 AA

Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.

Amino acid sequence of an extendin agonist.

20-OCT-2000 (first entry)

AAY94100;

/note= "tertiary butylglycine"

Location/Qualifiers

Key Modified-site Modified-site

Heloderma sp

Synthetic

/note= "amidated residue"

WO200041548-A2

20-JUL-2000.

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Baeded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower blasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating by begralucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
aay94099 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 ;
;
 /note= "napthylalanine"
 Location/Qualifiers
 from: 1
 Disclosure, Fig 4B; 96pp; English.
 AAY94099 standard; peptide; 28 AA
 14-JAN-1999; 99US-0116380P
30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 657
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94099 c
 Sequence 28 AA;
 WO200041548-A2
 Modified-site
 Modified-site
 Synthetic.
Heloderma sp.
 20-JUL-2000
 AAY94099
 Young A,
```

14-JAN-1999; 99US-0116380P. 30-APR-1999; 99US-0132017P. 10-JAN-2000; 2000US-0175365P.

(AMYL-) AMYLIN PHARM INC. Young A, Gedulin B; WPI; 2000-490999/43.

14-JAN-2000; 2000WO-US000942

AAY94099 Length: 28 February 4, 2005 13:20 Type: P Check: 657 Found using 'seq4' (mohamed337.key)

1 match found in sequence: aay94100 ; Amino acid sequence of an extendin agonist.

(from "seq4ags.pep")

HGEGTFTSDLSKQLEEEAVRLXIEFLKŇ 1

Sequence 28 AA;

The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.

Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.

Disclosure; Fig 4B; 96pp; English.

AAY94101

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Maxican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification as exendin, an extendin agonist, a modified exendin or a modified exendin squoist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 1 match found in sequence:
aay94103 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pe")
TOIG of: aay94103 check: 2649 from: 1 to: 29
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94102 Length: 33 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS
 Location/Qualifiers
 Ž
 Disclosure; Fig 4B; 96pp; English.
 hyperglucagonemia and diabetes.
 5
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 AAY94103 standard, peptide;
 20-OCT-2000 (first entry)
20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 33 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94103;
 Young A,
X B X B X B X B X
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin sagnist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for mecrolyric erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94101 Length: 28 February 4, 2005 13:20 Type: P Check: 237 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94102; Amino acid sequence of an extendin agonist.
(from 'seq4ags.pep")
TOIG of: aa994102 check: 2215 from: 1 to: 33
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94102 standard; peptide; 33 AA
 AAY94101 standard; peptide; 28 AA.
 HGEGTFTSDLSKQLEEEAVRLFIDFLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 benefit from reduced glucatype 1 and type 2 diabetes
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-OCT-2000
 20-JUL-2000
```

Young A,

Type: P Check: 2215

Amino acid sequence of an extendin agonist.

AAY94102;

#XXX

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and bexican Backed lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or another. These compounds lower plucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94104 Length: 37 · February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 |----|
HGEGTFTSDASKQMEEEAVRLFIEWLKNGGPSSGAPP
 :
:
 note= "homoproline"
 note= "homoproline"
 'note= "homoproline"
 Location/Qualifiers
 from: 1
 Disclosure; Fig 4B; 96pp; English.
 hyperglucagonemia and diabetes.
 AAY94114 standard; peptide; 28
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 1 match found in sequence:
aay94114 ; Amino acid sequence
(from "seq4ags.pep")
 20-OCT-2000 (first entry)
 check: 249
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 37 AA
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Modified-site
 Modified-site
 TOIG of: aay94114
 Heloderma sp.
 20-JUL-2000
 Synthetic
 AAY94114;
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for mecrolytic erythema or glucagonona. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagonoma; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 29 February 4, 2005 13:20 Type: P Check: 2649 (mohamed337.key)
 match found in sequence:
aay94104 ; Amino acid sequence of an extendin agonist.
 to: 37
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94104 standard; peptide; 37 AA
 |-----|
HGEGTFTSDASKQMEEEAVRLFIEWLKNG
1
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 3183
 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 type 1 and type 2
 AAY94103 Length: 29
Found using 'seq4' (mc
 (from "seg4ags.pep")
TOIG of: aay94104 o
 Sequence 29 AA;
 Key
Modified-site
 WO200041548-A2
 Heloderma sp.
 20-JUL-2000
 Synthetic.
 AAY94104;
 Young A,
```

Type: P Check: 3183

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin useful for lowering plasma glucagon level. The method is susfering from necrolytic erythema or glucagonnae. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 2005 13:20 Type: P Check: 688
 match found in sequence:
aay94121 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 to: 28
 /note= "amidated residue"
 /note= "amidated residue"
 Location/Qualifiers
28
 Location/Qualifiers
28
 check: 590 from: 1
 Disclosure, Fig 4E, 96pp; English.
 AAY94121 standard; peptide; 28 AA
 |-----|
HGAGTFTSDLSKQMEEEAVRLFIEWLKN
 AAY94118 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94121 c
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-JUL-2000.
 AAY94121;
 Young A,
 LI HX SS SX XX XX EX LI
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist,
glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma,
hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 249
 AAY94114 Length: 28 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
 aay94118 ; Amino acid sequence of an extendin agonist.
 (from "seq4ags.pep")
 ToIG of: aay94118 check: 688 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4E; 96pp; English
 AAY94118 standard; peptide; 28 AA
 |-----|
HGAGTFTSDLSKQLEEEAVRLFIEFLKN
1
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
hyperglucagonemia; diabetes.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 Synthetic.
Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94118;
 Young A,
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14-JAN-2000; 2000WO-US000942.
 14-JAN-1999;
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for mecrolyric erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94121 Length: 28 February 4, 2005 13:20 Type: P Check: 590
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94181 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94181 check: 5882 from: 1 to: 38
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4E; 96pp; English.
 AAY94181 standard; peptide; 38 AA
 HGEGTFTSDASKQMEEEAVRLFIEWLKN
 14-JAN-1999; 99US-0116380P
30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 28 AA;
 WO200041548-A2
 WO200041548-A2
 Modified-site
 Heloderma sp
 20-JUL-2000
 20-JUL-2000
 Synthetic
 AAY94181;
 foung A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon, comprising administering useful for lowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is suffering from necrolytic erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 glucagon using exendin, an exendin agonist, a modified
lified exendin agonist, useful for treating
 AAY94181 Length: 38 February 4, 2005 13:20 Type: P Check: 5882 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94186 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94186 check: 7002 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPP
 Location/Qualifiers
 Disclosure; Fig 4F; 96pp; English.
 AAY94186 standard; peptide; 35 AA
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 exendin or a modified
 Gedulin B;
 WPI; 2000-490999/43.
 Lowering plasma
 Sequence 38 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-JUL-2000.
 AAY94186;
 Young A,
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99US-0116380P

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AAY94194;
 Synthetic
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating byperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; dlabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94186 Length: 35 February 4, 2005 13:20 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94190 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aag94190 check: 9574 from: 1 to: 32
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
 Location/Qualifiers
 Disclosure, Fig 4G; 96pp; English.
 AAY94190 standard; peptide; 32 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
30-APR-1999; 99US-0132017P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 35 AA;
 WO200041548-A2
 Key
Modified-Bite
 Synthetic.
Heloderma sp.
 20-JUL-2000
 AAY94190;
 Young A,
```

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is suffering from necrolytic erythema or glucagonnes, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 Type: P Check: 9574
 1 match found in sequence:
aay94194 ; Amino acid sequence of an extendin agonist.
 /note= "amidated thioproline"
 to: 38
 Amino acid sequence of an extendin agonist.
 AAY94190 Length: 32 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 check: 6321 from: 1
 note= "thioproline"
 'note= "thioproline"
 'note= "thioproline"
 Location/Qualifiers
 HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
 Disclosure, Fig 4G; 96pp; English.
 AAY94194 standard; peptide; 38 AA
 hyperglucagonemia and diabetes.
 14-JAN-2000; 2000WO-US000942.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 20-OCT-2000 (first entry)
Gedulin B;
 WPI; 2000-490999/43.
 Sequence 32 AA;
 (from "seq4ags.pep
TOIG of: aay94194
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Modified-site
 Modified-site
 Heloderma sp
 20-JUL-2000.
```

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is suffering from necrolyric erythema or glucagonnes. The method is suffering from necrolyric erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 GLP-1; glucagon-like-peptide-1; growth-hormone releasing factor; GRF; parathyroid hormone; PTH; antidiabetic; anoretic; cerebroprotective; vasotropic; anti-inflammatory; antiarteriosclerotic; hepatotropic; tranquilizer; vulnerary; osteopathic; gila monster; exendin.
 New peptide formulation for treating disease e.g. diabetes, obesity, ischemia comprises peptides, an acid having a specified dissociation
 Type: P Check: 7441
 match found in sequence:
abb07149 ; Gila monster venom exendin 3 fragment
 to: 39
 AAY94198 Length: 35 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 /note= "C-terminal amide"
 Gila monster venom exendin 3 fragment.
 HGAGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
 check: 9591 from: 1
 Location/Qualifiers
 Disclosure; Fig 4G; 96pp; English.
 Z
 ABB07149 standard; peptide; 39
 17-MAY-2000; 2000US-0205377P.
 17-MAY-2001; 2001WO-US015872
 13-MAR-2002 (first entry)
 ä
 (BION-) BIONEBRASKA INC.
 Holmquist B, Dormady
 WPI; 2002-082941/11.
 WPI; 2000-490999/43.
 Heloderma suspectum
 (from "seq4ags.pep")
TOIG of: abb07149 c
 Sequence 35 AA;
 WO200187322-A2
 Key
Modified-site
 22-NOV-2001
 ABB07149;
 The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolyric erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94194 Length: 38 February 4, 2005 13:20 Type: P Check: 6321 Found using 'seq4' (mohamed337.key)
 match found in sequence:
aay94198; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
(from G of: aay94198 check: 7441 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 HGAGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP
 Location/Qualifiers
 Disclosure; Fig 4G; 96pp; English.
 AAY94198 standard; peptide; 35 AA
 14-JAN-2000; 2000WO-US000942
 99US-0116380P,
99US-0132017P,
 30-APR-1999; 99US-0132017P.
 type 1 and type 2 diabetes
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 38 AA;
 WO200041548-A2
 Modified-site
 20-OCT-2000
 Heloderma sp
 14-JAN-1999;
 20-JUL-2000
 Synthetic
 Young A,
 AAY94198;
 Young A,
 aay94198
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Disclosure; Page 11; 34pp; English
 The invention provides a pharmaceutical composition that comprises a molecule selected from a glucagon-like-peptide-1 (GLP-1) molecule, growth hormone releasing factor (GRF) molecule or a parathyroid hormone (PTH) molecule. The composition further includes a weak acid such as acetic acid. The pH of the composition is 3 - 5. The composition can be used for the treatment of a disease or condition selected from diabetes, excess appetite, obesity, stroke, ischemia, reperfusion injury, disturbed glucose metabolism, surgery, coma, shock, gastrointestinal disease, diabetes, inver disease, atherosclerosis, vascular disease, gestational diabetes, liver disease and cirrhosis, glucocriticoid excess, Cushing's disease, the presence of activated counter regulatory hormones that occur after trauma or a disease, hypertriglyceridemia, chronic pancreatitis, the need for parenteral feeding, and a catabolic state following surgery or injury. Sequences ABB0149-15s represent peptide fragments from gila monster venomes that are homologous to GLP-1 molecules and can be included
 GLP-1; glucagon-like-peptide-1; growth-hormone releasing factor; GRF; parathyroid hormone; PTH; antidiabetic; anoretic; cerebroprotective; vasotropic; anti-inflammatory; antiarteriosclerotic; hepatotropic; tranquilizer; vulnerary; osteopathic; gila monster; exendin.
 New peptide formulation for treating disease e.g. diabetes, obesity, ischemia comprises peptides, an acid having a specified dissociation constant and an excipient.
 ABB07149 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 match found in sequence:
abb07151; Gila monster venom exendin 4 peptide (residues 1-39).
 Gila monster venom exendin 4 peptide (residues 1-39).
 check: 9570 from: 1 to: 39
 |-----|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
1
 /note= "C-terminal amide"
 Location/Qualifiers
39
 Disclosure; Page 10; 34pp; English.
 ABB07151 standard; peptide; 39 AA.
 17-MAY-2000; 2000US-0205377P.
19-MAY-2000; 2000US-0205262P.
 17-MAY-2001; 2001WO-US015872
constant and an excipient
 13-MAR-2002 (first entry)
 Holmquist B, Dormady DC;
 (BION-) BIONEBRASKA INC.
 WPI; 2002-082941/11.
 Heloderma suspectum
 in the composition
 "seq4ags.pep")
of: abb07151
 Sequence 39 AA;
 WO200187322-A2.
 Key
Modified-site
 22-NOV-2001.
 ABB07151;
 from
```

```
The invention provides a pharmaceutical composition that comprises a molecule selected from a glucagon-like-peptide-1 (GLP-1) molecule, growth chormone releasing factor (GRF) molecule or a parathyroid hormone (PTH) molecule. The composition further includes a weak acid such as acetic acid. The pH of the composition is 3 - 5. The composition can be used for the treatment of a disease or condition selected from diabetes, excess opecite, obesity, stroke, ischemia, reperfusion injury, disturbed glucose metabolism, surgery, coma, shock, gastrointestinal disease, diabetes, liver disease, atherosclerosis, vascular disease, gestational disease, the presence of arthrosclerosis, vascular disease, Gushing's disease, the presence of activated counter regulatory hormones that occur after trauma or a disease, hypertriglyceridemia, chronic pancreatitis, the need for parenteral feeding, and a catabolic state following surgery or injury. Sequences ABBO149-15s represent peptide fragments from gila monster venoms that are homologous to GLP-1 molecules and can be included
 Glucagon like peptide-1; GLP-1; exendin 3; cardiant; antidiabetic; vasotropic; hibernating myocardium; congestive heart failure; ischaemic cardiomyopathy; diabetic cardiomyopathy.
 Treatment of hibernating myocardium involves administering GLP-1
 ABB07151 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 abb80100; Glucagon like peptide-1 (GLP-1) exendin 3. (from "seq4ags.pep")
 check: 9591 from: 1 to: 39
 Glucagon like peptide-1 (GLP-1) exendin 3.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Location/Qualifiers
 Disclosure; Page 13; 25pp; English.
 ABB80100 standard; peptide; 39 AA
 20-OCT-2000; 2000US-0241834P.
23-OCT-2000; 2000US-0242139P.
03-NOV-2000; 2000US-0245234P.
 22-OCT-2001; 2001WO-US032559.
 02-OCT-2002 (first entry)
 (COOL/) COOLIDGE T R.
 WPI; 2002-426545/45.
 Heloderma suspectum.
 in the composition
 Sequence 39 AA;
 WO200234285-A2
 Key
Modified-site
 TOIG of: abb80100
 02-MAY-2002
 ABB80100;
 Ehlers M;
 molecule
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The invention relates to the treatment of hibernating myocardium by administering a GLP-1 (glucagon like peptide-1) molecule. GLP-1 activity may be described as, cardiant, antidiabetic and vasotropic. GLP-1 may be used for treating, hibernating myocardium, congestive heart failure, ischaemic cardiomyopathy and diabetic cardiomyopathy. GLP-1 reduces plasma or heart norepinepherine level in a patient. The current sequence represents the glucagon like peptide-1 (GLP-1) known as exendin 3
 The invention relates to the treatment of hibernating myocardium by administering a GLP-1 (glucagon like peptide-1) molecule. GLP-1 activity may be described as; cardiant, antidiabetic and vasotropic. GLP-1 may be used for treating, hibernating myocardium, congestive heart failure, ischaemic cardiomyopathy and diabetic cardiomyopathy. GLP-1 reduces plasma or heart norepinepherine level in a patient. The current sequence represents the glucagon like peptide-1 (GLP-1) known as exendin 4
 Glucagon like peptide-1; GLP-1; exendin 4; cardiant; antidiabetic; vasotropic; hibernating myocardium; congestive heart failure; ischaemic cardiomyopathy; diabetic cardiomyopathy.
 Treatment of hibernating myocardium involves administering GLP-1
 Check: 9591
 . match found in sequence:
abb83059; Glucagon like peptide-1 (GLP-1) exendin 4 #2.
(from "seq4ags.pep")
TOIG of: abb83059 check: 9570 from: 1 to: 39
 Type: P
 Glucagon like peptide-1 (GLP-1) exendin 4 #2.
 ABB80100 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 |-----|
HSDGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Location/Qualifiers
39
 Disclosure; Page 13; 25pp; English.
 39 AA
 20-OCT-2000; 2000US-0241834P.
23-OCT-2000; 2000US-0242139P.
03-NOV-2000; 2000US-0245234P.
 22-OCT-2001; 2001WO-US032559
 ABB83059 standard; peptide;
 02-OCT-2002 (first entry)
 (COOL/) COOLIDGE T R.
 Heloderma suspectum
 WPI; 2002-426545/45
 Sequence 39 AA;
 Sequence 39 AA;
 WO200234285-A2
 Key
Modified-site
 02-MAY-2002
 Ehlers M;
 ABB83059;
 molecule

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The present invention relates to analogues of glucagon-like peptide-1, comprising glucagon-like peptide-1 (GLP-1) modified with a reactive group that reacts with a thiol group on a blood component to form a covalent bond, where the reactive group is chosen from an activated disulfide bond group or an S-sulfonate. The analogues are useful for manufacturing madicament and treating non-insulin dependent diabetes, obssity, stroke, myocardial infraction, stress-induced hyperglycaemia or irritable bowel syndrome. The present sequence is a peptide shown in the exemplification
 Novel glucagon-like peptide-1 compound comprising glucagon-like peptide-1 modified with reactive group that reacts with thiol group on blood component to form covalent bond, useful for treating obesity, stroke.
 Glucagon-like peptide-1; analogue; GLP-1; antidiabetic; anorectic; cerebroprotective; cardiant.
ABB83059 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 ABM19779 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 39
 to: 39
 |-----|
HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
 HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 :
:
 match found in sequence:
abm79779 ; H suspectum extendin-3 peptide.
 Disclosure; Page 123; 124pp; English.
 check: 9591 from: 1
 Zhang L;
 ABM79780 standard; peptide; 39 AA
 ABM79779 standard; peptide; 39
 suspectum extendin-3 peptide.
 02-JUN-2003; 2003WO-US015395.
 04-JUN-2002; 2002US-0385927P.
 22-APR-2004 (first entry)
 Smiley DL,
 (ELIL) LILLY & CO ELI
 WPI; 2004-062204/06.
 Heloderma suspectum
 (from "seq4ags.pep")
TOIG of: abm79779 cl
 the invention
 WO2003103572-A2
 Sequence 39 AA;
 Dimarchi RD,
 18-DEC-2003
 ABM79779;
 ПX
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Zhou J;

Page 356

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The invention relates to novel analogues of exendin-4 (ABP58572-ABP58576) or their pharmaceutically acceptable salts. The invention also encompasses a procedure for preparing the exendin-4 analogues. Exendin-4 (ABP58578) is a polypeptide obtained from the Mexican beaded lizard (Heloderma horridum) which acts as an agonist of glucagon-like peptide 1 (GLP-1, see ABP58577). Like exendin-4 fiself, the exendin-1 analogues of the invention have antidiabetic activity, being able to promote the secretion of insulin and reduce blood sugar, and are thus applicable in treating type 2 diabetes. Oil micrograms of an exendin-4 analogue was common alternated to be able to reduce blood sugar to approximately 20% of its former value after one hour, and its effects lasted 30 minutes longer than 4 micrograms of insulin. The exendin-4 analogues of the invention permitting large-scale production. The present sequence represents wild: type exendin-4 which is referred to in the disclosure of the invention
 Polypeptide exendin-4 derivatives, useful for promoting insulin secretion and reducing blood sugar, for treating diabetes type 2.
 Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; cerebroprotective; neuronal death; neuronal differentiation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; Parkinson's disease; Huntington's disease; parkinson's disease; Huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Glla-monster lizard.
 ABP58578 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 Zhao S,
 to: 39
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 Shen C,
 check: 9570 from: 1
 Disclosure; Page 2; 24pp; Chinese.
 ABU66208 standard; peptide; 39 AA
 (SHAN-) SHANGHAI HUAYI BIO LAB
 match found in sequence:
abu66208 ; Gila monster exendin-4.
 10-MAY-2001; 2001CN-00112856.
 Yu G,
 08-MAY-2002; 2002WO-CN000316
 20-MAY-2003 (first entry)
 Gila monster exendin-4.
 2
 WPI; 2003-120527/11.
 Heloderma suspectum.
 (from "seq4ags.pep")
TOIG of: abu66208 c
 WO2003011892-A2
 Sequence 39 AA;
WO200290388-A1
 13-FEB-2003,
 14-NOV-2002
 ABU66208;
 Sun Y,
 The present invention relates to analogues of glucagon-like peptide-l, comprising glucagon-like peptide-l (GLP-l) modified with a reactive group that reacts with a thiol group on a blood component to form a covalent bond, where the reactive group is chosen from an activated disulfide bond group or an S-sulfonate. The analogues are useful for manufacturing medicament and treating non-insulin dependent diabetes, obesity, stroke, myocardial infraction, stress-induced hyperglycemia or irritable bowel syndrome. The present sequence is a peptide shown in the exemplification of the invention
 Novel glucagon-like peptide-1 compound comprising glucagon-like peptide-1 modified with reactive group that reacts with thiol group on blood component to form covalent bond, useful for treating obesity, stroke.
 Exendin-4; Mexican beaded lizard; exendin-4 analogue; antidiabetic; insulin secretagogue; type 2 diabetes.
 Glucagon-like peptide-1; analogue; GLP-1; antidiabetic; anorectic;
cerebroprotective; cardiant.
 ABM79780 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 ound using 'seq4' (mohamed337.key)
 to: 39
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Disclosure; Page 123-124; 124pp; English.
 exendin-4.
 from: 1
 Location/Qualifiers
 Zhang L;
 ABP58578 standard; peptide; 39 AA
 Mexican beaded lizard exendin-4.
 H suspectum extendin-4 peptide.
 02-JUN-2003; 2003WO-US015395.
 04-JUN-2002; 2002US-0385927P
 1 match found in sequence:
app58578; Mexican beaded lizard
(from "seq4ags.pep")
TOIG of: abp88578 check: 9570
 (first entry)
 28-MAR-2003 (first entry)
 Dimarchi RD, Smiley DL,
 (ELIL) LILLY & CO ELI
 WPI; 2004-062204/06.
 Heloderma suspectum,
 Heloderma horridum.
 WO2003103572-A2.
 Sequence 39 AA;
 Found using 'seq4'
 Key
Modified-site
 22-APR-2004
 18-DEC-2003
 ABM79780;
 ABP58578
```

Perry TA;

Greig NH, Egan J, Doyle M, Holloway H,

WPI; 2003-268106/26

(USSH ) US DEPT HEALTH & HUMAN SERVICES

30-JUL-2002; 2002WO-US024141. 31-JUL-2001; 2001US-0309076P.

WO2003011892-A2

13-FEB-2003.

```
The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues of and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides which affects amyloid precursor protein metabolism. The polypeptides which affects amyloid precursor with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The neurotoxic injury or neurodegenerative condition in a subject. The present sequence is wild-type Gila-monster lizard exendin-4
 New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
 Doyle M, Holloway H, Perry TA;
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
 Claim 27; Fig 1; 119pp; English.
30-JUL-2002; 2002WO-US024141
 31-JUL-2001; 2001US-0309076P
 sclerosis or brain injury).
 WPI; 2003-268106/26.
 Greig NH, Egan J,
 Sequence 39 AA;
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS 1 ABU66208 Length: 39 February 4, Found using '8eq4' (mohamed337.key)

match found in sequence: abu66216 ; Glucagon\_like peptide 1/exendin-4 analogue #1.

to: 39 (from "seq4ags.pep")
TOIG of: abu66216 check: 9558 from: 1 ABU66216 standard; peptide; 39 AA. ABU66216; 

23-OCT-2003 20-MAY-2003

Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; human; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation, neuronal process growth, amyloid protein, diabetes, type 2 diabetes; neurodegenerative condition, brain injury; Allaheimer's disease, Parkinson's disease; huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

sapiens.

February 4, 2005 13:20 Type: P Check: 9570 Glucagon-like peptide 1/exendin-4 analogue #1. (first entry) (revised) Heloderma suspectum. Chimeric.

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The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or accumulation of awyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor contacts metabolism. The polypeptide, which affects amyloid precursor with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's diasease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain condition (e.g. Alzheimer's diasease, parkinson's disease, huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain creducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, or for reducing the symptom(s) of neurodegenerative condition in a subject. The present sequence is a human GLP-1/Gila-monster lizard exendin-4
New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
 Glucagon-like peptide-1; GLP 1, exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzheimer's disease; Parkinson's disease; Huntington's disease;
 ABU66216 Length: 39 February 4, 2005 13:20 Type: P Check: 9558 Found using 'seq4'' (mohamed337.key)
 to: 30
 HAEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 match found in sequence:
abu66217 ; Gila monster exendin-4 analogue #1.
 check: 4877 from: 1
 Gila monster exendin-4 analogue #1.
 ABU66217 standard; peptide; 30 AA
 Claim 27; Fig 1; 119pp; English.
 sclerosis or brain injury).
 20-MAY-2003 (first entry)
 (from "seq4ags.pep")
TOIG of: abu66217 c
 Sequence 39 AA;
 ABU66217;
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Fri Feb

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Heloderma suspectum.
 WPI; 2003-268106/26.
 Greig NH, Egan J,
 WO2003011892-A2.
 (from "seq4ags.pep")
 Sequence 30 AA;
 13-FEB-2003
 Synthetic
 ABU66218;
```

New Glucagon-like peptide-1 or exendin-2 polypeptides, analogues, useful for treating a subject with diabetes neurodegenerative condition (e.g. Alzheimer's disease, ABU66218 Length: 37 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key) . match found in sequence: abu66219 ; Gila monster exendin-4 analogue #3 Gila monster exendin-4 analogue #3 Claim 27; Fig 1; 119pp; English. 30-JUL-2002; 2002WO-US024141. 31-JUL-2001; 2001US-0309076P. sclerosis or brain injury). standard; peptide; check: 7453 20-MAY-2003 (first entry) Heloderma suspectum WPI; 2003-268106/26. WO2003011892-A2 Sequence 37 AA; (from "seq4ags.pep" TOIG of: abu66219 13-FEB-2003 "seq4ags. Synthetic. Greig NH, ABU66219; ABU66219 \*\*\*\*\*\*\*\*\* The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Examina acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue. Examina acid residues comparable to residues with a spacer between the amino acid residues comparable to residues for and 8, or residues 8 and 9 of GLP-1. Also include are: (1) reducing neuronal death, promoting neuronal cation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, which affects amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom (s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, or for reducing the symptom(s) of neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple amyotrophic lateral sclerosis, multiple sclerosis, spinal chord injury, peripheral neuropathy, neurotoxic injury, Gila-monster lizard. Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; ABU66217 Length: 30 February 4, 2005 13:20 Type: P Check: 4877 Found using 'seq4' (mohamed337.key) Perry TA; to: 37 Holloway H, match found in sequence: abu66218 ; Gila monster exendin-4 analogue #2. (USSH ) US DEPT HEALTH & HUMAN SERVICES. from: 1 Gila monster exendin-4 analogue #2. ABU66218 standard; peptide; 37 AA Claim 27; Fig 1; 119pp; English. HAEGTFTSDLSKOMEEEAVRLFIEWLKNGG 1 31-JUL-2001; 2001US-0309076P. Doyle M, 30-JUL-2002; 2002WO-US024141 sclerosis or brain injury). check: 3293 (first entry)

```
diabetes, type 2 diabetes; neurodegenerative condition; brain injury, Alzhaimer's diaease; Parkinson's disease; Parkinson's disease; adisease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.
proliferation; neuronal process growth; amyloid protein;
 Perry TA;
 Egan j, Doyle M, Holloway H,
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
```

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Creatidues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Glifferentiation or proliferation, or promoting growth of neuronal corresses, by contacting neuronal death, promoting neuronal corresses, by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptide, which affects amyloid precursor protein metabolism. The polypeptide, which affects amyloid precursor protein metabolism. The polypeptide, which affects amyloid precursor complition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain creducing the symptom(8) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject to polypeptides are also useful for treating a subject to minus or neurodegenerative condition; a well as for condition of neuron condition and subject of multiple sclerosis in a subject of the multiple sclerosis in a subject of the multiple scle

stroke, multiple

or their

ö

neurotoxic injury or neurodegenerative condition in a subject. present sequence is a Gila-monster lizard exendin-4 analogue Check: 3293 Type: P

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP

to: 35 from: 1

20-MAY-2003

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The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, coming a management of the spacer between the amino acid residues comparable to residues with a spacer between the amino acid residues comparable to residues and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, and c2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyoricophic lateral a selerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject in neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gla-monster lizard exendin-4 analogue
 New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; parkinson's disease; hunthington's disease; amyloir a disease; amyloir peripheral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.
 Perry TA;
 Holloway H,
 (USSH) US DEPT HEALTH & HUMAN SERVICES
 Claim 27; Fig 1; 119pp; English.
 Doyle M,
 30-JUL-2002; 2002WO-US024141
 31-JUL-2001; 2001US-0309076P
 sclerosis or brain injury).
 WPI; 2003-268106/26.
 Heloderma suspectum,
 Egan J,
 WO2003011892-A2
 Sequence 35 AA;
 13-FEB-2003
 Synthetic.
 Greig NH,
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Check: 7453 2005 13:20 Type: P ABU66219 Length: 35 February 4, ound using 'seq4' (mohamed337.key Found

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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
```

to: 33 abu66220 ; Gila monster exendin-4 analogue #4. check: 2764 match found in sequence: (from "seq4ags.pep") TOIG of: abu66220 c

33 AA

ABU66220 standard; peptide;

20-MAY-2003 (first entry) BXXXE

ABU66220;

Glucagon-like peptide-1; GLP\_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; parkinson's disease; huntington's disease; parkinson's disease; self-serial sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gla-monster lizard. Gila monster exendin-4 analogue #4. 

Heloderma suspectum. Synthetic.

WO2003011892-A2.

13-FEB-2003

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH ) US DEPT HEALTH & HUMAN SERVICES.

Perry TA;

Holloway H,

Egan J, Doyle M,

Greig NH,

WPI; 2003-268106/26

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide; and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptides are useful for treating a subject one or more neurons with the polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, Muntington's injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, or for reducing the symptom(s) of neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue

Sequence 33 AA;

ABU66220 Length: 33 February 4, 2005 13:20 Type: P Check: 2764 Found using 'seq4' (mohamed337.key)

## |-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS

to: 28 match found in sequence:
abu6621; Gila monster exendin-4 analogue #5.
[From "eaq4ags.pep"]
TOIG of: abu66221 check: 700 from: 1 to: 2

ABU66221 standard; peptide; 28 AA ВX

ABU66221;

(first entry) 20-MAY-2003

Gila monster exendin-4 analogue #5.

Glucagon-like peptide-1, GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzheimer's disease; Parkinson's disease; Huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

Heloderma suspectum Synthetic.

WO2003011892-A2.

13-FEB-2003

30-JUL-2002; 2002WO-US024141

31-JUL-2001; 2001US-0309076P.

(USSH ) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Holloway H, Doyle M, Greig NH, Egan J,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendina analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal conferentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide; and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject with neurocoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject injury or neurodegenerative condition in a subject. The polypeptides are sequence is a Gila-monster lizard exendin-4 analogue 

Sequence 28 AA;

ABU66221 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKN

match found in sequence: abu66237 ; Gila monster exendin-4 analogue #11. (from "seq4ags.pep") TOIG of: abu66237 c

to: 30

from: 1

check: 5219

ABU66237 standard; peptide; 30

ABU66237;

(first entry) 20-MAY-2003

Gila monster exendin-4 analogue #11.

diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzhaimer's diaease; Parkinson's disease; as disease; Huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard. Glucagon-like peptide-1; GLP\_1; exendin-4; antidiabetic; stroke; noctropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal procise growth; amyloid protein; neuronal process growth; amyloid protein;

Heloderma suspectum. Synthetic.

WO2003011892-A2.

13-FEB-2003.

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH ) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Egan J, Doyle M, Holloway H, Greig NH,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury). 

Example 2; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal confideration, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide; and c2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides which affects amyloid precursor protein metabolism. The polypeptides are useful for treating subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amycrorophic lateral aclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The neurotoxic injury or neurodegenerative condition in a subject. The persent sequence is a Gila-monster lizard exendin-4 analogue

Sequence 30 AA;

Check: 5219 ABU66237 Length: 30 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGR

1 match found in sequence:

```
The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues or or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The neurotoxic injury or neurodegenerative condition in a subject. The persent sequence is a Gila-monster lizard exendin-4 analogue
 New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
 nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal dearth, neuronal distiferentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzheimer's disease; Parkinson's disease; Huntington's disease; amyloic lateral sclerosis; multiple solerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.
 Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke;
 Perry TA;
 to: 30
 Doyle M, Holloway H,
abu66238 ; Gila monster exendin-4 analogue #12.
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
 check: 5123 from: 1
 Gila monster exendin-4 analogue #12
 ABU66238 standard; peptide; 30 AA
 Example 2; Fig 1; 119pp; English.
 30-JUL-2002; 2002WO-US024141.
 31-JUL-2001; 2001US-0309076P
 sclerosis or brain injury)
 (first entry)
 WPI; 2003-268106/26.
 Heloderma suspectum
 Greig NH, Egan J,
 (from "seq4ags.pep")
TOIG of: abu66238 cl
 WO2003011892-A2.
 Sequence 30 AA;
 20-MAY-2003
 13-FEB-2003
 Synthetic.
 ABU66238;
```

```
ABU66238 Length: 30 February 4, 2005 13:20 Type: P Check: 5123
 Found using 'seq4' (mohamed337.key)
```

|-----| HGEGTFTSDLSKQMEEEAVRLFIAWLKNGR

ABU66255 Length: 36 February 4, 2005 13:20 Type: P Check: 333 Found using 'seq4' (mohamed337.key)

```
The invention relaters to a purilier polypopule, which compliance the factors to a purilier propertier, which compliance comparable to residues 8 and 9 of Gib-1 academic sendances comparable to residues 7 and 8, or residues 8 and 9 of Gib-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal correcting one or more neurons with the polypeptide, and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor one or more neurons with the polypeptide, which affects amyloid precursor with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury or peripheral neuropathy) as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject in neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in the symptom (s) of present sequence is a dila-monster lizard exendin-1 and subject.
 Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvolsant; mutent; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzhaimer's disease; parkinson's disease; Huntington's disease; amyloicophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gla-monster lizard.
 New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
 invention relates to a purified polypeptide, which comprises the
 Perry TA;
 to: 36
. match found in sequence:
abu66255 ; Gila monster exendin-4 analogue #14.
 Holloway H,
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
 Gila monster exendin-4 analogue #14.
 from: 1
 Example 9; Page 37; 119pp; English.
 Ą
 ABU66255 standard; peptide; 36
 30-JUL-2002; 2002WO-US024141.
 Doyle M,
 31-JUL-2001; 2001US-0309076P
 sclerosis or brain injury).
 check: 333
 20-MAY-2003 (first entry)
 Heloderma suspectum.
 WPI; 2003-268106/26
 Egan J,
 (from "seq4ags.pep")
TOIG of: abu66255 c
 WO2003011892-A2.
 Sequence 36 AA;
 13-FEB-2003.
 Synthetic.
 Greig NH,
 ABU66255;
```

polycystic ovary syndrome; PCOS; glucagon-like peptide-1; GLP-1; gynaecological; antidiabetic; anorectic; hypotensive; antilipaemic; antidiretility; depliatory; andocrine-gen.; antisebornbeic; dermatcological; plasma glucose regulator; insulin secretion stimulator; insulin resistance; hyperinsulinaemia; type-2 diabetes; obesity; hypertension; hyperinsulinaemia; type-2 diabetes; obesity; hypertension; hyperandrogenism; histutism; alopecia; acne; enfartility; hyperandrogenism; histutism; alopecia; acne; enaliged multifollicular ovaries; abnormal uterine bleeding; spontaneous abortion; insulin sensitivity; Gila monster; exendin 3.

'note= "C-terminal amide" Location/Qualifiers

WO2003061362-A2.

31-JUL-2003.

Heloderma suspectum.

Key Modified-site

22-JAN-2002; 2002US-0350395P. 11-DEC-2002; 2002US-00317126. 14-JAN-2003; 2003WO-US001109

(REST-) RESTORAGEN INC

WPI; 2003-663337/62.

Hathaway DR;

Gila monster exendin 3 peptide SEQ ID NO: 7.

(first entry)

20-NOV-2003

ADA44870;

ADA44870 standard; peptide; 39 AA.

```
New viral vectors comprising a sequence encoding glucagons-like peptide 1 or glucose-dependent insulinotropic peptide, a sequence encoding a signal sequence, and a polyadenylation signal, for treating e.g. dlabetes or
 Adenoviral vector; glucagon-like peptide 1; GLP-1; GIP; obesity; glucose-dependent insulinotropic peptide; type II diabetes; in vivo expression; dipeptidyl peptidase IV inhibitor; DPP-IV; GLP-1 variant; exendin; antidiabetic; anorectic; gene therapy.
 Pattison S;
 Hughes T, Kaleko M,
 to: 39
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
 check: 9570 from: 1
 Disclosure; Page 17; 62pp; English.
 abu91974 ; Glia monster exendin peptide
 ABU91974 standard; peptide; 39 AA.
 Glia monster exendin peptide.
 09-OCT-2002; 2002WO-US032051
 09-OCT-2001; 2001US-0328116P
 Golightly D,
 (first entry)
 match found in sequence:
 WPI; 2003-381685/36.
N-PSDB; ACA92262.
 (NOVS) NOVARTIS AG
 WO2003030946-A1.
 n "seq4ags.pep"
of: abu91974
 Unidentified
 14-JUL-2003
 Connelly S,
 17-APR-2003
 Sakhuja K;
 ABU91974;
 obesity
```

The invention relates to a method for treating polycystic ovary syndrome (PCOS). The method comprises administering a glucagon-like peptide-1 (GLP -1) molecule. The method of the invention has gynecological.

CC antidiabetic, anorectic, hypotensive, antilipaemic, antilifertility, depilatory, andocrine-gen., antiseborrheic, and dermatological activity. CC A GLP-1 molecule of the invention acts as plasma glucose regulator, or insulin secretion stimulator. The method is useful for treating polycystic ovary syndrome (PCOS) and its symptoms, particularly insulin cesistance, hyperinsulinemia, type-2 diabetes, obesity, hypertension, hyperilpidaemia, anovulation or irregular ovulation, infertility. Chyperadrogenism, hirsutism, alopecia, acne, enlarged multifollicular ovaries, abnormal uterine bleeding and spontaneous abortion, and for restoring regular menses, ovulation and fertility. A GLP-1 molecule reduces insulin resistance or increases insulin sensitivity. The present equipment of the present requesents a Gila monster venom peptide, exendin 3, which shows Sequence 39 AA; homology 

The present invention relates to an adenoviral vector comprising a polymucleotide sequence encoding glucagon-like peptide 1 (GLP-1) or glucose-dependent insulinotropic peptide (GIP), a polymucleotide sequence encoding a signal sequence upstream of it, and a polymuclaotide sequence constream of it. The viral vector is useful in gene therapy for treating type II diabetes, obesity and related conditions by in vivo expression of GLP-1, and/or GIP. The treatment may be combined with the administration of dipeptidyl peptidase IV (DPP-IV) inhibitors. ABU91969-ABU91975 represent GLP-1, GLP-1 variant, exendin or GIP peptides

ABU91974 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

**HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS** 

l match found in sequence:
ada44870 ; Gila monster exendin 3 peptide SEQ ID NO:
(from "seq4ags.pep")
(TOG OF: ada44870 check: 9591 from: 1 to: 39

Treating polycystic ovary syndrome and associated symptoms e.g. insulin resistance comprises administering glucagon-like peptide-1 molecule.

Disclosure; Page 9; 11pp; English

ADA44870 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

|-----| HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

۷. 1 match found in sequence: ada44872 ; Gila monster exendin 4 peptide SEQ ID NO: to: 39

from: 1

TOIG of: adb84203 check: 9591

ADB84203 standard; peptide; 39 AA

vasotropic; intermittent claudication; skeletal muscle injury; ischaemia; glucagon-like peptide-1; GLP-1; peripheral vascular disease; glucose oxidation; fatty acid oxidation reduction; Gila monster venom; exendin 3.

Gila monster venom exendin 3.

04-DEC-2003 (first entry)

ADB84203;

/note= "C-terminal amide"

30-APR-1999; 99US-00302596. 09-MAY-2001; 2001US-00851738. 05-MAR-2002; 2002US-00091258

(HATH/) HATHAWAY D R. (COOL/) COOLIDGE T R.

Coolidge TR;

Hathaway DR,

WPI; 2003-677986/64.

Location/Qualifiers

Misc-difference 39

US2003073626-A1

17-APR-2003.

Heloderma suspectum.

```
The invention relates to a method for treating polycystic ovary syndrome (PCOS). The method comprises administering a glucagon-like peptide-1 (GLP -1) molecule. The method of the invention has gynecological.

artidiabetic, anorectic, hypotensive, antilipaemic, antilinfertility, depilatory, andocrine-gen., antiseborrheic, and dermatological activity.

A GLP-1 molecule of the invention acts as a plasma glucose regulator, or insulin secretion stimulator. The method is useful for treating polycystic ovary syndrome (PCOS) and its symptoms, particularly insulin polycystic ovary syndrome (PCOS) and its symptoms, particularly insulin the present anovulation or irregular ovulation, infertility, hyperandrogenism, hirsutism, alopecia, acne, enlarged multifollicular ovaries, abnormal uterine bleeding and spontaneous abortion, and for restoring regular menses, ovulation and fertility. A GLP-1 molecule reduces insulin resistance or increases insulin sensitivity. The present control of the present of the presen
 polycystic ovary syndrome; PCOS; glucagon-like peptide-1; GLP-1; gynaecological; antidiabetic; anorectic; hypotensive; antilipaemic; antidiatetulity; depliatory; andocrine-gen.; antiseborrheic; dermatological; plasma glucose regulator; insulin secretion stimulator; insulin resistance; hyperinsulinaemia; type-2 diabetes; obesity; hypertension; hyperinsulinaemia; type-2 diabetes; obesity; infertility; hyperandrogenism; hirsuliam; alopecia; acne; enfarged multifollicular ovaries; abnormal uterine bleeding; spontaneous abortion; insulin sensitivity; Gila monster; exendin 4.
 Treating polycystic ovary syndrome and associated symptoms e.g. insulin resistance comprises administering glucagon-like peptide-1 molecule.
 ADA44872 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 Gila monster exendin 4 peptide SEQ ID NO: 9.
 to: 39
 from: 1
 ADA44872 standard; peptide; 39 AA
 Disclosure; Page 9; 11pp; English
 22-JAN-2002; 2002US-0350395P.
11-DEC-2002; 2002US-00317126.
 14-JAN-2003; 2003WO-US001109
 check: 9570
 (first entry)
 (REST-) RESTORAGEN INC.
 WPI; 2003-663337/62.
 Heloderma suspectum
 nomology to GLP-1.
 WO2003061362-A2.
(from "seq4ags.pep")
TOIG of: ada44872 c
 Sequence 39 AA;
 Hathaway DR;
 20-NOV-2003
 31-JUL-2003
```

Method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischemia and/or reperfusion in a human subject, comprises administration of a glucagon-like peptide-1 molecule.

Disclosure; Page 4; 12pp; English

```
The ivention describes a method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischaemia and/or reperfusion in a human subject, comprising the administration of a glucagon-like peptide-l (GLP-l) molecule. The method is useful for treating or preventing intermittent claudication or skeletal muscle suffering from peripheral vascular disease (PVD). Administration of GLP-l in a subject improves skeletal muscle performance by promoting glucose socidation and reducing fatty acid oxidation. This is the amino acid sequence of a mammalian glucagon-like peptide-l peptide GLP-l(1-37) that can be used in the method of the invention.
 ADB84203 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 to: 39
 HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 check: 9570 from: 1
 match found in sequence: adb84205; Gila monster venom exendin 4.
 ADB84205 standard; peptide; 39 AA
 (from "seq4ags.pep")
TOIG of: adb84205 c
 Sequence 39 AA;
 ADB84205;
 e x z
0XCCCCCCCCCXXXA74X8X1XAAXAXAXAXAXAXAX144X0XX444X8
```

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence: adb84203 ; Gila monster venom exendin 3. (from "seq4ags.pep")

Fri

```
The present invention describes an insulin-secreting cell comprising an insulin-secreting cell transfected with a nucleotide sequence encoding a protein selected from glucagon-like peptide-1 (GLP-1) and its analogue. Spretchin selected from glucagon-like peptide-1 (GLP-1) and its analogue. Comportation (a) providing an insulin-dependent glucose-secreting cell comprising a minigene construct comprising a nucleotide sequence comprising the coding region for a protein; (c) providing a plasmid; (d) transfecting the plasmid with the minigene construct; and (e) including the plasmid in the insulin-secreting cell; (b) exposing the ability of a drug to stimulate cells to secrete insulin comprising; (a) providing an insulin by providing the insulin secreting cell; (b) exposing the cell; (c) and (s) supplying insulin to a mammal comprising; (a) providing the insulin-secreting to the mammal insulin secreted from the cells to a body fluid of the nammal, the body fluid providing an indication of glucose level; and (c) ransferring to the mammal insulin secreted from the cells. The insulin-secreting cell and methods are useful for treating diabetes. The cells are also useful for investigating the development and function of the present sequence represents sendin-4, which is a GLP-1 receptor. The propertion of the present invention.
insulin-secreting cell; glucagon-like peptide-1; GLP-1; diabetes; human;
 New insulin-secreting cell comprising an insulin-secreting cell transfected with a nucleotide sequence encoding a protein selected from glucagons-like peptide-1 (GLP) and its analog, useful for treating
 ADD02757 Length: 39 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
 Claim 7; SEQ ID NO 4; 45pp; English.
 (CEDA-) CEDARS SINAI MEDICAL CENT.
 11-MAR-2003; 2003WO-US007210.
 12-MAR-2002; 2002US-00097230.
 WPI; 2003-779115/73
 WO2003078462-A2
 Sequence 39 AA;
 Homo sapiens
 Perfetti R,
 25-SEP-2003
 exendin-4.
 diabetes.
 The ivention describes a method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischaemia and/or reperfusion in a human subject, comprising the administration of a glucagon-like peptide-1 (GLP-1) molecule. The method is useful for treating or preventing intermittent claudication or skeletal muscle suffering from peripheral vascular disease (PVD). Administration of GLP-1 in a subject improves skeletal muscle performance by promoting glucose oxidation and reducing fatty acid oxidation. This is the amino acid sequence of a mammalian glucost-like peptide-1 peptide GLP-1(1-37) that can be used in the method of the invention.
 vasotropic; intermittent claudication; skeletal muscle injury; ischaemia; glucagon-like peptide-1; GLP-1; peripheral vascular disease; glucose oxidation; fatty acid oxidation reduction; Gila monster venom;
 Method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischemia and/or reperfusion in a human subject, comprises administration of a glucagon-like peptide-1 molecule.
 ADB84205 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 Location/Qualifiers
39
/note= "C-terminal amide"
 Disclosure, Page 4, 12pp, English
 Gila monster venom exendin 4.
 05-MAR-2002; 2002US-00091258
 30-APR-1999; 99US-00302596
09-MAY-2001; 2001US-00851738
 (first entry)
 Coolidge TR;
 (HATH/) HATHAWAY D R. (COOL/) COOLIDGE T R.
 WPI; 2003-677986/64:
 Heloderma suspectum.
 Misc-difference
 US2003073626-A1
 Sequence 39 AA;
 Hathaway DR,
 17-APR-2003.
 04-DEC-2003
 exendin 4.
 %XCCCCCCCCCCX8X4F4X8X1X8X8X8X8X8X8X8X1444X8XXXXX
```

Hui H;

```
GLP-1; glucagon-like peptide-1; exendin; antidiabetic; anti-obesity;
insulinotropic; hypoglycaemic; insulin secretion; glucagon suppressor;
 to: 31
 match found in sequence:
add12855 ; Exendin derivative parent peptide #1.
|-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 Exendin derivative parent peptide #1.
 check: 7617 from: 1
 ADD12855 standard; peptide; 31 AA
 01-JAN-2004 (first entry)
 (from "seq4ags.pep")
TOIG of: add12855
 ADD12855;
 $$$$$$$$$$$$
```

match found in sequence: add02757 ; Exendin-4 amino acid sequence SEQ ID NO:4.

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

Exendin-4 amino acid sequence SEQ ID NO:4.

01-JAN-2004 (first entry)

XEXEXEX

to: 39

from: 1

check: 9570

(from "seq4ags.pep") TOIG of: add02757

standard; peptide; 39 AA.

ADD02757 ADD02757

Check: 9570

Fri Feb

```
The present invention describes derivatives (A1) of GLP-1 (glucagon-like peptide-1) (7-c) (with c = 35 or 36) having just one lipophilic computations (LS) attended to the C-terminal amino acid (aa) and derivatives (A2) of exendin with LS attended to at least one as of the parent peptide. Al excludes compounds Arg26, Arg34, Lys36-(N-core carboxyx) GLP-1 (7-36)-CM, where X = nonadecanoyl, checanoyl or heptanoyl. Also described are compositions containing A1 and A2 plus a vehicle or carrier. A1 and A2 have containing A1 and A2 plus a vehicle or carrier. A1 and A2 have atteinable tis anti-order of insulin notropic and hypoglycaemic activities. A1 stimulates secretion of insulin but suppresses that of glucagon. They also inhibit gastric emptying and pancreatic secretion and may reduce food intake. A1 and A2 are used to treat (non-)insulin-dependent diabetes militus and obesity, and also to prevent hyperglycaemia. A1 and A2 have a greater persistence in vivo than corresponding peptides without LS (because of reduced sensitivity to dispetidyl peptidases). When corresponding peptides without LS cormulated with other antidiabetic agents, they often produce a synergistic effect. The present sequence represents an exendin derivative parent peptide, which is used in the exemplification of the present
 New derivatives of glucagon-like peptide-1 and exendin containing lipophilic substituent, for treating diabetes and obesity.
gastric emptying inhibitor; pancreatic secretion inhibitor;
non-insulin-dependent diabetes mellitus;
insulin-dependent diabetes mellitus; obesity; hyperglycaemia.
 Nielsen PF, Madsen K;
 Location/Qualifiers
 Claim 82; Page 61; 69pp; English.
 /label= Pro, Tyr
 99WO-DK000086.
 98DK-00000274
98US-0084357P
 Huusfeldt PO,
 (NOVO) NOVO-NORDISK AS
 WPI; 1999-540562/45.
 Misc-difference 31
 25-FEB-1999;
 27-FEB-1998;
 WO9943708-A1
 05-MAY-1998;
 Knudsen LB,
 02-SEP-1999
 Synthetic
 nvention
```

ADD12855 Length: 31 February 4, 2005 13:19 Type: P Check: 7617 ound using 'seq4' (mohamed337.key) Found using 'seq4'

Sequence 31 AA;

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGX

1 match found in sequence: adf44966 ; H. horridum exendin-3 peptide fragment. to: 39 from: 1 ADF44966 standard; peptide; 39 AA. check: 9591 (from "seq4ags.pep") TOIG of: adf44966

ADF44966;

H. horridum exendin-3 peptide fragment. 12-FEB-2004 (first entry) 2X2X2X2X

detection; EST; expressed sequence tag library; conserved structure; pharmaceutical; drug target; mexican bearded lizard; natriuretic peptide; bradykinin; angiotensin-converting enzyme; ss; exendin-3. 

Heloderma horridum

WO2003071268-A2.

28-AUG-2003

20-FEB-2003; 2003WO-EP001765.

20-FEB-2002; 2002DE-01008187

(PAIO-) PAION GMBH.

Schleuning W, Schulz

Ë

WPI; 2003-697652/66.

Identifying substances with a specific activity in target organisms, useful for drug development, by detecting compounds with related activity in reference organisms.

Example 1; Page 28; 76pp; German.

This invention describes a novel method for discovering a substance that is pharmaceutically active in a target organism. The method comprises generating an EST (expressed sequence tag) library from the reference organism or tissue and identifying active compounds in the reference organism or tissue and identifying active compounds in the reference organism or tissue and identifying active compounds in the reference organisms are used, to allow identification of least two reference organisms are used, to allow identification of conserved structures, which are then used to identify orthologous structures are then structures in the target. Optionally the orthologous structures are then conserved structures, based optimisation of the required properties. The method is used to identify polypeptides which are then used optionally after optimisation of properties, as pharmaceuticals, or after validation as a drug target, for development of ligands, also potential pharmaceuticals. Polypeptides and nucleic acids encoding them, can also be used for identification and validation of drug targets and concentrated facilitates discovery of agents that are biologically active, for identification and validation of drug targets and concidentally in humans, and should reduce the time between discovery and development of new drugs, since previous understanding of molecular concerns and pathology or of the structures involved in drug design are not necessary. The identified drugs will usually be very specific, with reduced side effects. Sequencing of a cDNA bank from the mexican bearded concerns an published databases, encoded a 196 amino acid precursor of natriuretic peptide. Analysis of corresponding sequences from other republished that the effects of the new sequence probably contractions of natriuretic peptide. Analysis of corresponding sequences from other corresponding showed that the N-terminal region of the new sequence probably. encodes peptides that potentiate the effect of bradykinin and inhibit angiotensin-converting enzyme.

Sequence 39 AA;

ADF44966 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS

. match found in sequence: adg73288 ; Glucagon-like peptide-1-related Extendin-3 peptide. 39 : : (from "seq4ags.pep") TOIG of: adg73288 check: 9591 from: 1

ADG73288 standard; peptide; 39 AA

ADG73288; BXX

```
GLP-1 (glucagon-like peptide-1) compound and a delivery agent. The formulation of the invention demonstrates antidiabetic, anorectic, cerebroprotective, cardiant, antiinflammatory, gastrointestinal and vasotropic activities and may be useful for the treatment of insulinchange activities and may be useful for the treatment of insulinchange after surgery, functional dyspepsia and irritable bowel syndrome. When formulated with a delivery agent the GLP-1 compound can cross intestinal membranes while remaining active, allowing oral administration. The current sequence is that of the glucagon-like peptide-1-related Extendin-3 peptide of the invention.
 Pharmaceutical formulation, useful e.g. for the treatment of non-insulindependent diabetes, obesity, stroke or myocardial infarction, comprises glucagon-like peptide-1 and a delivery agent.
 ď
 GLP-1; glucagon-like peptide-1; antidiabetic; anorectic; cerebroprotective; cardiant; antiinflammatory; gastrointestinal; vasotropic; insulin-dependent diabetes; obselty; stroke; myocardial infarction; catabolic change; surgery; functional dyspepsia; irritable bowel syndrome; oral administration; Extendin-3.
 The invention relates to a novel pharmaceutical formulation comprising
 Check: 9591
 match found in sequence:
adg73289 ; Glucagon-like peptide-1-related Extendin-4 peptide.
 GLP-1; glucagon-like peptide-1; antidiabetic; anorectic;
 Glucagon-like peptide-1-related Extendin-3 peptide.
 Glucagon-like peptide-1-related Extendin-4 peptide.
 ADG73288 Length: 39 February 4, 2005 13:20 Type: P Found using 'seg4' (mohamed337.key)
 to: 39
 /note= "C-terminal amide"
 HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 Claim 2; SEQ ID NO 10; 72pp; English
 check: 9570 from: 1
 Location/Qualifiers
 standard; peptide; 39 AA.
 07-FEB-2003; 2003WO-US003111.
 20-FEB-2002; 2002US-0358184P.
 (first entry)
 (first entry)
 (ELIL) LILLY & CO ELI
 WPI; 2003-731576/69.
 (from "seq4ags.pep")
TOIG of: adg73289 c
 WO2003072195-A2
 Sequence 39 AA;
 Key
Modified-site
 Unidentified.
 11-MAR-2004
 04-SEP-2003
 11-MAR-2004
 ADG73289
 ADG73289
 Khan MA;
#X#X#X#X#
```

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The invention relates to a novel pharmaceutical formulation comprising a GID-1 (glucagon-like peptide-1) compound and a delivery agent. The formulation of the invention demonstrates antidiabetic, anorectic, cerebroprotective, cardiant, antiinflammatory, gastrointestinal and vasorropic activities and may be useful for the treatment of insulindependent diabetees, obesity, stroke, myocardial infarction, catabolic changes after surgery, functional dyspepsia and irritable bowel syndrome. When formulated with a delivery agent the GLP-1 compound can cross intestinal membranes while remaining active, allowing oral administration. The current sequence is that of the glucagon-like peptide -1-related Extendin-4 peptide of the invention.
 non-insulin-
 Fusion protein; human serum albumin; HSA; therapeutic protein; human serum albumin; HSA; therapeutic protein; shelf-life; in vitro biological activity; in vivo biological activity; metabolic disorder; endocrine disorder; disbetes; type 1; type 2; diabetes-related condition; hyperglycaemia; neural disorder; neuropathy; extinopathy; cardiovaecular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anorectic; ophthalmological; gene therapy.
 Pharmaceutical formulation, useful e.g. for the treatment of non-insulir dependent diabetes, obesity, stroke or myocardial infarction, comprises glucagon-like peptide-1 and a delivery agent.
cerebroprotective; cardiant; antiinflammatory; gastrointestinal;
vasotropic; insulin-dependent diabetes; obesity; stroke;
myocardial infarction; catabolic change; surgery; functional dyspepsia;
irritable bowel syndrome; oral administration; Extendin-4.
 1 match found in sequence:
adh21336 ; Human albumin/extendin fragment fusion protein, SEQ ID NO:133.
 Type: P Check: 9570
 Human albumin/extendin fragment fusion protein, SEQ ID NO:133.
 to: 648
 /note= "C-terminal amide"
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 ADG73289 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Claim 2; SEQ ID NO 11; 72pp; English.
 check: 1808 from: 1
 Location/Qualifiers
 ADH21336 standard; protein; 648 AA.
 07-FEB-2003; 2003WO-US003111.
 20-FEB-2002; 2002US-0358184P.
 11-MAR-2004 (first entry)
 WPI; 2003-731576/69.
 (ELIL) LILLY & CO
 WO2003072195-A2
 (from "seq4ags.pep")
TOIG of: adh21336 c
 Sequence 39 AA;
 Key
Modified-site
 Unidentified
 04-SEP-2003
 ADH21336;
 Khan MA;
```

-----match found in sequence: adh21337 ; Human albumin/extendin fragment fusion protein, SEQ ID NO:134.

to: 648

check: 7050 from: 1

(from "seq4ags.pep") TOIG of: adh21337

ADH21337 standard; protein; 648 AA.

11-MAR-2004 (first entry)

ADH21337;

```
The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The tharapeutic protein may be fused to the N-terminus, the C-terminus or both termini of albumin via a linker. The albumin component of the fusion proteins or prolongs the shelf-life and the in vitro and vivo biological activity of the proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids encoding albumin fusion proteins, vectors and host cells comprising an albumin fusion protein nucleic acid, compositions and kits comprising an albumin fusion protein, the method of extending the shelf-life of a therapeutic protein by fusion with albumin, and the treatment of disease using an albumin fusion protein. The albumin fusion proteins may be used in the treatment of metabolic/endocrine disorders, diabetes and diabetes.

The treatment of metabolic/endocrine disorders disorders also be used in the treatment of metabolic/endocrine disorders in the treatment of metabolic/endocrine disorders and observed in the disperse related to a metabolic endocrine and not a method of maintaining a basal glucose level in method for losing weight. The present sequence is
 New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.
 Length: 648 February 4, 2005 13:20 Type: P Check: 1808
ng 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 133; 1086pp; English.
 2002US-0378950P.
2002US-0398008P.
2002US-0402131P.
2002US-0402708P.
 2002US-0414984P.
2002US-0417611P.
 (HUMA-) HUMAN GENOME SCI INC.
 2002US-0367500P
2002US-0370227P
 23-DEC-2002; 2002WO-US040892
 2002US-0360000P
 2002US-0411355P
 2002US-0420246P
 05-NOV-2002; 2002US-0423623P
 related to the invention.
 Rosen CA, Haseltine WA;
 WPI; 2003-598501/56.
 Sequence 648 AA;
 WO2003059934-A2.
 24-JUL-2002;
09-AUG-2002;
13-AUG-2002;
 Ношо варіепв.
 27-MAR-2002;
 08-APR-2002;
 18-SEP-2002;
02-OCT-2002;
 11-OCT-2002;
 23-OCT-2002;
 10-MAY-2002;
 26-FEB-2002;
 28-FEB-2002;
 24-JUL-2003
 Chimeric
```

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The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The therapeutic protein, protein may be fused to the N-terminus, the C-terminus or both termin of albumin via a linker. The albumin component of the fusion proteins prolongs the shelf-life and the in vitro and vivo biological activity of the proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids encoding albumin fusion protein nucleic acid, compositions and ktts comprising an albumin fusion protein, the method of extending the shelf-life of a therapeutic protein by flusion with albumin, and the treatment of disease using an albumin fusion protein. The albumin, fusion proteins when albumin fusion protein in the albumin fusion proteins and diabetes and diabetes.
 Fusion protein; human serum albumin; HSA; therapeutic protein; babelf-life; in vitro biological activity; in vivo biological activity; metabolic disorder; endocrine disorder; diabetes; type 1; type 2; diabetes-related condition; hyperglycaemia; neural disorder; neuropathy; extinopathy; cardiovascular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anorectic; ophthalmological; gene therapy.
 New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.
 Human albumin/extendin fragment fusion protein, SEQ ID NO:134.
 Disclosure; SEQ ID NO 134; 1086pp; English.
 2001US-0341811P.
 2002US-0359358P.
 28-FEB-2002; 2002US-0360000P.
27-MAR-2002; 2002US-0367500P.
 08-APR-2002; 2002US-0370227P.
 10-MAY-2002; 2002US-0378950P.
24-JUL-2002; 2002US-0398008P.
 L3-AUG-2002; 2002US-0402708P.
 L8-SEP-2002; 2002US-0411355P.
 02-OCT-2002; 2002US-0414984P.
 05-NOV-2002; 2002US-0423623P.
 (HUMA-) HUMAN GENOME SCI INC.
 23-DEC-2002; 2002WO-US040892
 09-AUG-2002; 2002US-0402131P
 11-OCT-2002; 2002US-0417611P
 23-OCT-2002; 2002US-0420246P
 Haseltine WA;
 WPI; 2003-598501/56.
 WO2003059934-A2
 Homo sapiens.
 26-FEB-2002;
 24-JUL-2003.
 Rosen CA,
 Chimeric
```

KPKATKEQLKAVMDDPAAPVEKCCKADDKETCPAEEGKKLVAASQAALGLHGEGTFTSDL

999

Found using

SKOMEEEAVRLFIEWLKNGGPSSGAPPPS

620

637

seq4\_ags.res

```
related conditions. Specifically the albumin fusion proteins may be used to treat type 1 and type 2 diabetes, hyperglycaemia, neural disorders (especially neuropathy), retinopathy, cardiovascular disorders (especially heart disease, renal disorders and obseity. The proteins may also be used in a method of maintaining a basal glucose level in a patient and in a method for losing weight. The present sequence is related to the invention.
 8888888888
```

Sequence 648 AA;

ADH21337 Length: 648 February 4, 2005 13:20 Type: P Check: 7050 Found using 'seq4' (mohamed337.key)

MKWVSFISLLFLFSSAYSRSLDKRHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP

PPSDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDH

match found in sequence: adh21405; Human extendin fragment, SEQ ID NO:202 : : Human extendin fragment, SEQ ID NO:202. ADH21405 standard; protein; 87 AA check: 973 (first entry) (from "seq4ags.pep") TOIG of: adh21405 c 11-MAR-2004 ADH21405; 

Fusion protein; human serum albumin; HSA; therapeutic protein; shelf-life; in vitro biological activity; in vivo biological activity; metabolic disorder; endocrine disorder; diabetes; type 1; type 2; diabetes related condition; hyperalycaemia; neural disorder; neuropathy; retinopathy; cardiovascular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anorectic; ophthalmological; gene therapy.

Homo sapiens

WO2003059934-AZ.

24-JUL-2003

23-DEC-2002; 2002WO-US040892 21-DEC-2001;

2002US-0359370P 2002US-0360000P 2002US-0367500P 24-JAN-2002; 26-FEB-2002; 27-MAR-2002; 28-FEB-2002;

2002US-0370227P. 2002US-0378950P. 2002US-0398008P. 2002US-0402131P. 2002US-0402708P. 2002US-0414984P 2002US-0411355P 18-SEP-2002; -OCT-2002; 08-APR-2002; 10-MAY-2002; 09-AUG-2002; 13-AUG-2002;

(HUMA-) HUMAN GENOME SCI INC. 05-NOV-2002;

2002US-0417611P.

11-OCT-2002;

-OCT-2002

Rosen CA, Haseltine WA; WPI; 2003-598501/56. N-PSDB; ADH22125.

related to the invention.  MKIILWLCVFGLFLATLFPISWQMPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQ

MEEEAVRLFIEWLKNGGPSSGAPPPSG

61

adh21406; Human extendin fragment, SEQ ID NO:203. (from "seq4ags.pep")
TOIG of: adh21406 check: 973 from: 1 to: 87 ADH21406 standard; protein; 87 AA 1 match found in sequence: 

ADH21406;

Human extendin fragment, SEQ ID NO:203 11-MAR-2004 (first entry)

Fusion protein; human serum albumin; HSA; therapeutic protein; shelf-life; in vitro biological activity; in vivo biological activity; metabolic disorder; endocrine disorder; diabetes; type 1; type 2; diabetes: restated condition; hyperglycaemia; neural disorder; neuropathy; retinopathy; cardiovascular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anoixectic; ophthalmological; gene therapy.

Homo sapiens

WO2003059934-A2.

24-JUL-2003.

23-DEC-2002; 2002WO-US040892

21-DEC-2001; 2001US-0341811P. 24-JAN-2002; 2002US-0350358P.

New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.

Disclosure, SEQ ID NO 202; 1086pp; English.

The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The therapeutic control of protein may be fused to the N-terminus, the C-terminus or both termini of albumin via a linker. The albumin component of the fusion proteins compared with those of the corresponding therapeutic proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids encoding albumin fusion protein nucleic acid, compositions and kits comprising an albumin fusion protein, the method of extending the shelf-life of a therapeutic protein by fusion with albumin, and the treatment of disease using an albumin fusion protein. The albumin fusion proteins may be used to the treatment of methodic-fendocrine disorders, diabetes and diabetes. The treatment of methodic-fendocrine disorders, diabetes and diabetes contracted conditions. Specifically the albumin fusion proteins may be used to treat type 1 and type 2 diabetes, hyperglycaemia, neural disorders (especially neuropathy), retinopathy, cardiovascular disorders (especially neuropathy), retinopathy, cardiovascular disorders also be used in a method of maintaining a basal glucose level in a patient and in a method of maintaining a basal glucose level in a method of maintaining a besent sequence is

Sequence 87 AA;

ADH21405 Length: 87 February 4, 2005 13:20 Type: P Check: 973 Found using 'seq4' (mohamed337.key)

```
This invention relates to a novel method for the prevention and intervention into Type 1 diabetes and Latent Autoimmune Diabetes in the Adult (LADA). Specifically, it refers to the administration of a modulator derived from a CD3 and GLP-1 compound. This combined treatment provides a synergistic effect and GLP-1 compound. This combined treatment provides a synergistic effect and can attenuate the further destruction of beta-cells, hence improving glycaemic control in diabetic patients. Furthermore, it can be used as a prophylactic for people at high risk for the development of type I diabetes and can provide an improved prognosis with respect to microvascular and macrovascular complications. The present invention describes exendin, a GLP-1 compound that is insulinotropic, as well as analogues and fragments derived thereof that can be used to modulate beta cell function. Accordingly, the compositions of this invention exhibit immunosuppressive and antidiabetic activities. This peptide sequence is a GLP-1 compound, the exendin peptide of the
 Preventing and intervening of Type 1 diabetes and latent autoimmune diabetes in the adult, comprising administering a modulator of CD3 and a {\it GLP-1} compound to a patient.
 Type 1 diabetes; Latent Autoimmune Diabetes in the Adult; LADA; CD3; GLP-1; beta-cell; glycaemic control; exendin; insulinotropic; immunosuppressive; antidiabetic.
 cardlac disease; cardiovascular disease; diabetic patient;
non-diabetic patient; glucagon like peptide-1; GLP 1; cardiant;
 ADH22131 Length: 31 February 4, 2005 13:20 Type: P Check: 7617 Found using 'seq4' (mohamed337.key)
 match found in sequence:
adh73029 ; Glucagon like peptide-1 related exendin peptide 1.
 Exendin peptide, an insulinotropic GLP-1 compound.
 Glucagon like peptide-1 related exendin peptide 1.
 to: 31
 check: 7617 from: 1
 Location/Qualifiers
 Disclosure; Page 8; 24pp; English.
 |----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGX
 ADH73029 standard; peptide; 31 AA.
 /label= Pro, Tyr
 12-JUN-2003; 2003WO-DK000387.
 14-JUN-2002; 2002DK-00000909
 25-MAR-2004 (first entry)
 Sturis J;
 (NOVO) NOVO NORDISK AS.
 WPI; 2004-090758/09.
 Misc-difference 31
 (from "seq4ags.pep")
TOIG of; adh73029 c
 WO2003105897-A1
 Sequence 31 AA;
 Michelsen BK,
 Unidentified
 24-DEC-2003.
 invention
 ADH73029;
 The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The therapeutic protein may be fused to the N-terminus, the C-terminus or both termin of albumin via a linker. The albumin component of the fusion proteins or proteins compared with those of the corresponding therapeutic the proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids proteins on their own protein, vectors and host cells comprising an albumin fusion protein, vectors and most cells comprising an albumin fusion protein, the method of extending the shelf-life of the therapeutic protein, the method of extending the shelf-life of a therapeutic protein, the method of extending the shelf-life of a therapeutic protein protein. The albumin fusion protein mit albumin, fusion protein with albumin, fusion protein and the albumin, fusion proteins may be used in the treatment of metabolic/endocrine disorders, diabetes and diabetes to treat type 1 and type 2 diabetes, hyperglycaemia, neural disorders (especially neuropathy), retinopathy, cardiovascular disorders canced in a method of maintaining a basal glucose level in a patient and in a method for losing weight. The present sequence is
 New albumin fusion protein, useful for preparing a composition for
 MKIILWLCVFGLFLATLFPISWQMPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQ
 ADH21406 Length: 87 February 4, 2005 13:20 Type: P Check: 973 Found using 'seq4' (mohamed337.key)
 match found in sequence:
adh22131 ; Exendin peptide, an insulinotropic GLP-1 compound.
 to: 31
 Disclosure; SEQ ID NO 203; 1086pp; English.
 from: 1
 ADH22131 standard; peptide; 31 AA
 10-MAY-2002; 2002US-0378950P.
24-UUL-2002; 2002US-03980U8P.
09-AUG-2002; 2002US-0402131P.
13-AUG-2002; 2002US-040270BP.
18-SEP-2002; 2002US-0411355P.
 2002US-0367500P.
 02-OCT-2002; 2002US-0414984P.
11-OCT-2002; 2002US-0417611P.
 23-OCT-2002; 2002US-0420246P.
 (HUMA-) HUMAN GENOME SCI INC
 treating diabetes mellitus.
 check: 7617
 11-MAR-2004 (first entry)
 related to the invention.
 Haseltine WA;
 WPI; 2003-598501/56.
N-PSDB; ADH22126.
 (from "seq4ags.pep")
TOIG of: adh22131 c
 Sequence 87 AA;
 Rosen CA,
 ADH22131;
```

cardiovascular-Gen; antiarrhythmic; antianginal; antiarteriosclerotic; Selmer J, Location/Qualifiers Disclosure; Page 7; 14pp; English. Carr RD, /label= Pro, Tyr Rolin BC, Carr RI Christoffersen C; 32-APR-2003; 2003WO-DK000216. 04-APR-2002; 2002DK-00000499. 23-APR-2002; 2002US-0375255P. (NOVO ) NOVO NORDISK AS. WPI; 2004-022543/02. Misc-difference 31 diabetic patient WO2003084563-A1 Unidentified 16-0CT-2003 Knudsen LB, Nielsen LB, 

The interior of an early cardiac for all merical corrections of an early cardiac or early cardiacator of an early cardiac or early cardiacator of an early cardiacator of an early cardiacator of an early cardiacator of the development of compounds with a cardiant, cardiacatoral cardiacator, antiarrhythmic, cardiacatoral car coronary artery disease; essential hypertension; acute hypertensive, exercise tolerance; chronic heart failure; arrhythmia; exercise tolerance; chronic heart failure; arrhythmia; cardiac dysrhythmia; syncop; atherosclerosis; mild chronic heart failure; angina pectoris; cardiac bypass reocclusion; intermittent claudication; atherosclerosis obliterens; distolic dysfunction; systolic dysfunction; brain natriuretic peptide; BNP; myocardial infarction; acute coronary syndrome; unstable angina; non-Q-wave cardiac necrosis; Q-wave myocardial infarct; stroke. Use of a glucagon like peptide-1 agonist or its salt for the preparation of a pharmaceutical composition for the treatment or prevention of an This invention relates to a novel method for the treatment or prevention vasotropic; hypotensive; glucose metabolism; cardiovascular haemodynamic regulator; left ventricular hypertrophy; of a pharmaceutical composition for the treatment or prevention of early cardiac or early cardiovascular disease in a diabetic or non-Larsen J, Elbrond B; Sequence 31 AA;

ADH73029 Length: 31 February 4, 2005 13:20 Type: P Check: 7617

The invention relates to a novel pharmacologically active peptide conjugate having a reduced tendency towards enzymatic cleavage comprises x and Z, where: (a) X is a pharmacologically active peptide sequence; and (b) Z is a stabilising peptide sequence of 4-20 amino acid units covalently bound to X, where each amino acid unit in the stabilizing peptide sequence, Z being selected from Ala, Leu, Ser, Thr, Tyr, Asn, Clln, Asp, Glu, Lys, Arg, His, Met, Orn, and amino acid units of formula - NH-C(R1)(R2)-C[=0)-(1), where R1 and R2 are H, 1-6C alkyl, phenyl, and phenyl-methyl, where 1-6C-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, canbox, and acarboxy, and phenyl methyl are optionally substituted with 1-3 substituents selected from 1-6C-alkyl, 2-6C-alkenyl, along hydrox, amino, cyano, nitro, and carboxy, and phenyl enthyl are optionally substituted with 1-3 substituents selected from 1-6C-alkyl, 2-6C-alkenyl, alonger, hydrox, amino, cyano, nitro, and carboxy, or R1 and R C 2 together with the C atom to which they are bound form a cyclopentyl, cyclohexyl or cyclohexyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-capether with the Alf-life of the corresponding active peptide sequence, X, when treated with carboxypeptidaes A or leucine aminopeptidaes in about 50 mM phosphate buffer solution at about pH 7.4 and about 37 deg C or in serum or plasma is at least about 2 (preferably at least about 10), or when the pharmacologically active peptide X is not orally absorbed, the conjugate is adsorbed, or a salt, with the proviso that the match found in sequence: adi24854 ; Exendin-4 as active moiety for pharmacologically active peptide pharmacologically active peptide conjugate; enzymatic cleavage; pain; HIV; cancer; diabetes; incontinence; hypertension; ammesia; Alzheimer's disease; fever; depression; sex hormone regulation; eatling disorder; schizophrenia; osteoporosis; insomnia; Central nervous system disorder; contraceptive. New peptide conjugates used for treating, e.g. pain, HIV, depression, schizophrenia, osteoporosis or insomnia. Exendin-4 as active moiety for pharmacologically active peptide. /note= "amidated C-terminus" to: 39 (from "seq4ags.pep") TOIG of: adi24854 check: 9570 from: 1 Location/Qualifiers HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX ADI24854 standard; peptide; 39 AA Claim 24; Page 91; 113pp; English Found using 'seq4' (mohamed337.key) 99WO-DK000118. 15-APR-2004 (first entry) (ZEAL-) ZEALAND PHARM AS. WPI; 1999-561659/47. Key Modified-site WO9946283-A1 09-MAR-1999; 09-MAR-1998; 16-SEP-1999. Synthetic. Larsen BD; ADI24854; 1 match found 

seq4\_ags.res

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The invention relates to a novel pharmacologically active peptide conjugate having a reduced tendency towards enzymatic cleavage comprises X and Z, where: (a) X is a pharmacologically active peptide sequence; and (b) Z is a stabilising peptide sequence of 4-20 amino acid units covalently bound to X, where each amino acid unit in the stabilizing peptide sequence. X being selected from Ala, Leu, Ser, Thr, Tyr, Asr, Gln, Asp, Glu, Lys, Arg, His, Met, Orn, and amino acid units of formula NH-C(R1)(R2)-C(-O)- (1), where R and R2 are H, 1-6c alkyl, phenyl, phenyl, where 1-6c-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, substituted with 1-3 substituents selected from 1-6c-alkyl, 2-6c-alkenyl,
pharmacologically active peptide conjugate is not selected from sequences (ADI24837)-(ADI24841). The peptide conjugates can be used for treating e.g. pain, HIV, cancer, diabetes, incontinence, hypertension, amnesia, Alzheimer, s disease, fever, depression, sex hormone regulation, eating disorders, schizophrenia, osteoporosis or insomnia. They can also be used for treating e.g. CNS disorders and as contraceptives. The conjugated peptides are less susceptible to degradation by proceases compared to the corresponding free pharmacologically active peptides. This sequence represents a pharmacologically active peptide as the X part of the peptide of the invention.
 adi24855 ; Exendin-3 as active moiety for pharmacologically active peptide.
 pharmacologically active peptide conjugate; enzymatic cleavage; pain; HIV; cancer; diabetes; incontinence; hypertension; amnesia; Alzheimer's disease; fever; depression; sex hormone regulation; eating disorder; schizophrenia; osteoporosis; insomnia;
 New peptide conjugates used for treating, e.g. pain, HIV, depression, schizophrenia, osteoporosis or insomnia.
 Exendin-3 as active moiety for pharmacologically active peptide.
 ADI24854 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 Central nervous system disorder; contraceptive.
 to: 39
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 from: 1
 ADI24855 standard; peptide; 39 AA.
 Claim 24; Page 91; 113pp; English.
 99WO-DK000118
 98DK-00000317
 check: 9591
 (first entry)
 (ZEAL-) ZEALAND PHARM AS
 1 match found in sequence:
 WPI; 1999-561659/47.
 n "seq4ags.pep")
of: adi24855 c
 Sequence 39 AA;
 09-MAR-1999;
 09-MAR-1998;
 WO9946283-A1
 15-APR-2004
 16-SEP-1999
 Synthetic.
 Larsen BD;
 ADI24855;
 8588888888888888
```

```
conjugate is adsorbed, or a salt, with the proviso that check or instruction, and the conjugate and the half-life of the poptide sequence, cyclohexyl or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid; the ratio between the half-life of the peptide sequence, conjugate and the half-life of the corresponding active peptide sequence, conjugate and the half-life of the corresponding active peptides enduence to make plasma is at least about pH 7.4 and about 37 deg C cor in serum or plasma is at least about 2 (preferably at least about 10), or when the pharmacologically active peptide X is not orally absorbed, the conjugate is adsorbed, or a salt, with the proviso that the corpusate is adsorbed, or a salt, with the proviso that the corpusate is adsorbed, or dependence or in seasons of the conjugate is not saberced from sequences (ADIZ4837)-(ADIZ4841). The peptide conjugates can be used for treating c.g. pain, HIV, cancer, diabetes, incontinence, hypertension, amnesia, colsorders, schizophrenia, osteoporosis or insomnia. They can also be used for treating e.g. CNS disorders and as contraceptives. The conjugated for the corpusated corpusated to the corresponding free pharmacologically active peptides. This sequence represents a pharmacologically active peptide as the X part of the corpusation.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R 1 and
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardicovascular; mexican beaded lizard.
 ADI24855 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166122 ; Exendin agonist peptide, SEQ ID No 1.
 to: 39
 |-----|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 1.
 check: 9591 from: 1
 Location/Qualifiers
39
 ADL66122 standard; peptide; 39 AA
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 Heloderma horridum
 (from "seq4ags.pep")
TOIG of: ad166122 c
 WO2003099314-A1.
 Sequence 39 AA;
 Key
Modified-site
 04-DEC-2003.
 ADL66122;
```

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gp/ml is achieved for at least 5¢ of the predetermined release period. The composition has antidiabetic, anoancetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity,
 hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 ADL66122 Length: 39 February 4, 2005 13:20 Type: P Check: 9591
Disclosure; SEQ ID NO 1; 173pp; English.
 using 'seq4' (mohamed337.key)
 Sequence 39 AA;
 Found
```

adl66123; Exendin agonist peptide, SEQ ID No 2. (from "seq4ags.pep")
TOIG of: adl66123 check: 9570 from: 1 to: 39 HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS 1 match found in sequence:

ADL66123 standard; peptide; 39 AA. 20-MAY-2004 (first entry)

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular; gila monster Location/Qualifiers 39 Heloderma suspectum Modified-site CCCXSXLLLLXBXBXBXBXBXLLLLXX8XXBXBXBXAXCCCC

Exendin agonist peptide, SEQ ID No 2.

WO2003099314-A1

/note= "C-terminal amide"

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 2; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 sp cf the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obsesty, hypexglycaemia, dyslipidaemia or cardiovascular disease. This sequence
release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Type: P Check: 9570
 Ġ.
 to: 30
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 ADL66123 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 ad166126; Exendin agonist peptide, SEQ ID No (from "seq4ags.pep")
TOIG of: ad166126 check: 4889 from: 1 to:
 Disclosure; SEQ ID NO 6; 173pp; English.
 Exendin agonist peptide, SEQ ID No 6.
 ADL66126 standard; peptide; 30 AA
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1.
 Sequence 39 AA;
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66126;
 8888888888888
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SXS

HGEGTFTSDLSKOMBEBAVRLFIEWLKNGG

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ADL66127 Length: 30 February 4, 2005 13:20 Type: P Check: 4889
 Sequence 30 AA;
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|-----HGEGTFTSDLSKQLEEEAVRLAIEFLKN

```
Found using 'seq4' (mohamed337.key)
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gaetric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Check: 4889
represents an exendin agonist peptide of the invention.
 2005 13:20 Type: P
 adl66127; Exendin agonist peptide, SEQ ID No 7.
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 7; 173pp; English.
 Exendin agonist peptide, SEQ ID No 7.
 from: 1
 Location/Qualifiers
 ADL66127 standard; peptide; 30 AA
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG
 ADL66126 Length: 30 February 4, Found using 'seq4' (mohamed337.key)
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 check: 4889
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 1 match found in sequence:
 WPI; 2004-042706/04.
 n "seq4ags.pep")
of: ad166127 c
 WO2003099314-A1
 Sequence 30 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66127
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66128 Length: 28 February 4, 2005 13:20 Type: P Check: 151 Found using 'seq4' (mohamed337.key)
. match found in sequence: ad166128; Exendin agonist peptide, SEQ ID No 8. (from "seq4ags.pep") TOIG of: ad166128 check: 151 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 8; 173pp; English.
 Exendin agonist peptide, SEQ ID No 8.
 Location/Qualifiers
 ADL66128 standard; peptide; 28 AA
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Modified-site
 04-DEC-2003.
 Synthetic.
 ADL66128;
```

39

; t

from: 1

(first entry)

/note= "C-terminal amide"

Location/Qualifiers 39

```
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Exendin agonist peptide, SEQ ID No 10.
 ADL66130 standard; peptide; 39 AA.
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
TOIG of: adl66130 check: 9556
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003.
 Young AA,
 Synthetic
 ADL66130;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 Check: 9131
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66129 Length: 39 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)
 match found in sequence: ad166129 ; Exendin agonist peptide, SEQ ID No 9.
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 9; 173pp; English.
 Exendin agonist peptide, SEQ ID No 9.
 from: 1
 Location/Qualifiers
 ADL66129 standard; peptide; 39 AA
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 check: 9131
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166129 c
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 ADL66129
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Kolterman OG;

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidemia or cardiovascular disease. This sequence represents an exemnia agonist peptide of the invention.
 ADL66130 Length: 39 February 4, 2005 13:20 Type: P Check: 9556 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166131 ; Exendin agonist peptide, SEQ ID No 11
 to: 39
 HGEGIFTSDLSKOLBERAVRLFIEWLKNGGPSSGAPPPS
 Disclosure, SEQ ID NO 10; 173pp; English.
 check: 9145 from: 1
 ADL66131 standard; peptide; 39 AA
 (from "seq4ags.pep")
TOIG of: ad166131 c
 Sequence 39 AA;
 ADL66131;
```

1 match found in sequence: adl66130 ; Exendin agonist peptide, SEQ ID No 10. (from "seq4ags.pep")

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS

/note= "C-terminal amide"

Kolterman OG;

Location/Qualifiers

```
formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, and natilipeamic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia a cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Length: 39 February 4, 2005 13:20
3 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 12; 173pp; English.
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Key
Modified-site
 04-DEC-2003
 Young AA,
 Synthetic
 Found using
 ADL66132
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66131 Length: 39 February 4, 2005 13:20 Type: P Check: 9145 Found using 'seq4' (mohamed337.key)
 /note= "C-terminal amide"
 HGEGTFTSDLSKQMEEEAVRLFIBFLKNGGPSSGAPPPS
 Disclosure; SEQ ID NO 11; 173pp; English
 Exendin agonist peptide, SEQ ID No 11.
 Location/Qualifiers
39
 dyslipidaemia, cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
```

```
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 match found in sequence:
ad166133 ; Exendin agonist peptide, SEQ ID No 13.
 39
YGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 :
:
 Exendin agonist peptide, SEQ ID No 13.
 from: 1
 Ź
 ADL66133 standard; peptide; 39
 dyslipidaemia; cardiovascular
 check: 9804
 20-MAY-2004 (first entry)
 "seq4ags.pep")
 TOIG of: adl66133
 ADL66133;
```

ad166132; Exendin agonist peptide, SEQ ID No 12. (from "seq4ags.pep")
TOIG of: ad166132 check: 9587 from: 1 to: 39

match found in sequence:

ADL66132 standard; peptide; 39 AA.

Exendin agonist peptide, SEQ ID No 12.

(first entry)

20-MAY-2004

**EXAXEX** 

ADL66132

Type: P Check: 9587

28-MAY-2003, 2003WO-US016699. 28-MAY-2002, 2002US-00157224.

WO2003099314-A1

04-DEC-2003.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, which is a such as impaired glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity,
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66133 Length: 39 February 4, 2005 13:20 Type: P Check: 9804 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166134; Exendin agonist peptide, SEQ ID No 14.
(from "seq4ag.pep")
TOIG of: ad166134 check: 9567 from: 1 to: 39
 /note= "C-terminal amide"
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPY
 39
/note= "C-terminal amide"
 Disclosure; SEQ ID NO 13; 173pp; English.
 Exendin agonist peptide, SEQ ID No 14.
 Location/Qualifiers
 Location/Qualifiers
 ADL66134 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 Key
Modified-site
 04-DEC-2003
Synthetic.
 Young AA,
 Synthetic
 ADL66134;
```

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucoëe or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66134 Length: 39 February 4, 2005 13:20 Type: P Check: 9567 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166135 ; Exendin agonist peptide, SEQ ID No 15.
 HGDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 Disclosure, SEQ ID NO 14; 173pp; English.
 /note= "C-terminal amide"
 Exendin agonist peptide, ŠEQ ID No 15.
 check: 9678 from: 1
 Location/Qualifiers
 ADL66135 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular.
 20-MAY-2004 (first entry)
 (from "seq4ags.pep"
TOIG of: ad166135
 Sequence 39 AA;
 WO2003099314-A1
 Key
Modified-site
 04-DEC-2003.
 Synthetic
 ADL66135;
```

seq4\_ags.res

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66135 Length: 39 February 4, 2005 13:20 Type: P Check: 9678 Found using 'seq4' (mohamed337.key)
 match found in sequence:
adl66136 ; Exendin agonist peptide, SEQ ID No 16.
 to: 39
 |-----|
HGEGTXTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 15; 173pp; English
 Exendin agonist peptide, SEQ ID No 16.
 from: 1
 Location/Qualifiers
 ADL66136 standard; peptide; 39 AA
 28-MAY-2002; 2002US-00157224.
28-MAY-2003; 2003WO-US016699.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (from "seq4ags.pep")
TOIG of: ad166136 check: 9563
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66136;
 ,
B X B X B X B X B X X X X X X X X X B
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66136 Length: 39 February 4, 2005 13:20 Type: P Check: 9563 Found using 'seq4' (mohamed337.key)
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 adi66137; Exendin agonist peptide, SEQ ID No 17.
(from "seq4ags.pep")
TOIG of: ad166137 check: 9571 from: 1 to: 39
 HGEGTFSSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 16; 173pp; English.
 Exendin agonist peptide, SEQ ID No 17.
 Location/Qualifiers
 ADL66137 standard; peptide; 39
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
ĝ
 Kolterman OG;
Kolterman
 1 match found in sequence:
 WPI; 2004-042706/04.
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Key
Modified-site
 04-DEC-2003
 Young AA,
 Synthetic.
 Young AA,
 ADL66137;
```

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended release formulation

Disclosure; SEQ ID NO 17; 173pp; English

that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasms alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such

Sequence 39 AA;

ADL66137 Length: 39 February 4, 2005 13:20 Type: P Check: 9571 Found using 'seq4' (mohamed337.key)

HGEGTFSTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

adl66138 ; Exendin agonist peptide, SEQ ID No 18 to: 39 from: 1 check: 9578 1 match found in sequence: n "Beq4ags.pep") of: adl66138 c from

ADL66138;

ADL66138 standard; peptide; 39 AA

20-MAY-2004

Exendin agonist peptide, SEQ ID No 18

(first entry)

exendin; extended-release formulation; plasma level; antidiabetic; ancectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

Location/Qualifiers Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure, SEQ ID NO 18, 173pp, English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; ADL66138 Length: 39 February 4, 2005 13:20 Type: P Check: 9578 ound using 'seq4' (mohamed337.key) adl66139 ; Exendin agonist peptide, SEQ ID No 19 /note= "C-terminal amide" HGEGTFTTDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS Disclosure, SEQ ID NO 19; 173pp; English. Exendin agonist peptide, SEQ ID No 19. check: 9579 from: 1 Location/Qualifiers 39 ADL66139 standard; peptide; 39 AA dyslipidaemia; cardiovascular 28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224 20-MAY-2004 (first entry) (AMYL-) AMYLIN PHARM INC. Kolterman OG; WPI; 2004-042706/04. match found in sequence: WO2003099314-A1 Sequence 39 AA; (from "seq4ags.pep" TOIG of: ad166139 Key Modified-site 04-DEC-2003. Young AA, Synthetic ADL66139; Found ¥8888888888888888 

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that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 888888888888888
```

Sequence 39 AA;

ADL66139 Length: 39 February 4, 2005 13:20 Type: P Check: 9579 ound using 'seq4' (mohamed337.key) Found using

HGEGTFTSELSKQMEERAVRLFIEWLKNGGPSSGAPPPS

adl66140; Exendin agonist peptide, SEQ ID No 20. (from "seq4ags.pep")
TOIG of: adl66140 check: 9690 from: 1 to: 39 match found in sequence:

ADL66140 standard; peptide; 39 AA (first entry) 20-MAY-2004 

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. Exendin agonist peptide, SEQ ID No 20.

'note= "Pentylglycine" Location/Qualifiers Key Modified-site Modified-site Synthetic

WO2003099314-A1

/note= "C-terminal amide"

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

Young AA, Kolterman OG;

WPI; 2004-042706/04.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Disclosure, SEQ ID NO 20; 173pp; English

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anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obssity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 8888888
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Sequence 39 AA;

Check: 9690 Type: P ADL66140 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSDXSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

21 to: 39 ad166141; Exendin agonist peptide, SEQ ID No (from "seq4ags.pep")
TOIG of: ad166141 check: 9251 from: 1 to: match found in sequence:

ADL66141;

ADL66141 standard; peptide; 39 AA

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 21.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

/note= "C-terminal amide" /note= "Pentylglycine" Location/Qualifiers Modified-site Modified-site 

04-DEC-2003.

WO2003099314-A1

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 21; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 to fine predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetees and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or

Sequence 39 AA;

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inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Check: 9251
 ADL66141 Length: 39 Pebruary 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)
 Sequence 39 AA;
 SKSSS
```

. match found in sequence:
adl66142 ; Exendin agonist peptide, SEQ ID No 22.
(from "seq4ags.pep")
TOIG of: adl66142 check: 9724 from: 1 to: 39 HGEGTFTSDXSKQLEEEAVRLFIEFLKNGGPSSGAPPPS

Exendin agonist peptide, SEQ ID No 22. ADL66142 standard; peptide; 39 AA 20-MAY-2004 (first entry) ADL66142; 

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" 'note= "Pentylglycine" Location/Qualifiers Key Modified-site Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG; WPI; 2004-042706/04. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 22; 173pp; English

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ancertic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. The invention relates to a novel pharmaceutical composition comprising an

Sequence 39 AA;

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
ADL66142 Length: 39 February 4, 2005 13:20 Type: P Check: 9724 Found using 'seq4' (mohamed337.key)
 ad166143; Exendin agonist peptide, SEQ ID No 23
 to: 39
 /note= "C-terminal amide"
 HGEGTFTSDLSKQXEEEAVRLFIEWLKNGGPSSGAPPPS
 Disclosure; SEQ ID NO 23; 173pp; English.
 note= "Pentylglycine"
 Exendin agonist peptide, SEQ ID No 23.
 check: 9299 from: 1
 Location/Qualifiers
 ADL66143 standard; peptide; 39 AA
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 (from "seq4ags.pep"
TOIG of: ad166143
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic
 ADL66143;
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ADL66143 Length: 39 February 4, 2005 13:20 Type: P Check: 9299 Found using 'seq4' (mohamed337.key)
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## HGEGTFTSDLSKOXEEEAVRLFIEFLKNGGPSSGAPPPS

match found in sequence:
adl6614; Exendin agonist peptide, SEQ ID No 24.
(from "seq4ag.pep")
TOIG of: adl66144 check: 9966 from: 1 to: 39

ADL66144 standard; peptide; 39 AA

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 24.

exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia; cardiovascular. 

Synthetic.

/note= "Naphthylalanine" Location/Qualifiers Modified-site

Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 24; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

ADL66144 Length: 39 February 4, 2005 13:20 Type: P Check: 9966 Found using 'seq4' (mohamed337.key)

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|-----|
HGEGTFTSDLSKQMEEEAVRLXIEWLKNGGPSSGAPPPS
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adl66145 ; Exendin agonist peptide, SEQ ID No 25
 check: 9869 from: 1
1 match found in sequence:
 (from "seq4ags.pep")
TOIG of: ad166145 c
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ADL66145 standard; peptide; 39 AA 

ADL66145;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 25.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 25; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 another the redetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention

Sequence 39 AA

2005 13:20 Type: P Check: 9869 ADL66145 Length: 39 February 4, Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFVEWLKNGGPSSGAPPPS

20-MAY-2004

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 2s of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucoše or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66147 Length: 39 February 4, 2005 13:20 Type: P Check: 9915 Found using 'seq4' (mohamed337.key)
 /note= "Tertiary-butylglycine"
 1 match found in sequence:
ad166148; Exendin agonist peptide, SEQ ID No 28.
(from "seq4ags.pep")
TOIG of: ad166148 check: 9476 from: 1 to: 39
 /note= "C-terminal amide"
 HGEGTFTSDLSKQMEEEAVRLFXEWLKNGGPSSGAPPPS
 Disclosure; SEQ ID NO 27; 173pp; English.
 Exendin agonist peptide, SEQ ID No 27.
 Location/Qualifiers
 Ä
 ADL66148 standard; peptide; 39 AA
 ADL66147 standard; peptide; 39
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 Modified-site
 04-DEC-2003.
 20-MAY-2004
 Synthetic.
 Young AA,
 ADL66147;
 ADL66148;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66146 Length: 39 February 4, 2005 13:20 Type: P Check: 9430 Found using 'seq4' (mohamed337.key)
match found in sequence:
ad166146 ; Exendin agonist peptide, SEQ ID No 26.
 match found in sequence:
ad166147; Exendin agonist peptide, SEQ ID No 27.
(ffrom "seq4ags.pept")
TOIG of: ad166147 check: 9915 from: 1 to: 39
 /note= "C-terminal amide"
 HGEGTFTSDLSKOLEEEAVRLFVEFLKNGGPSSGAPPPS
 Disclosure; SEQ ID NO 26; 173pp; English.
 Exendin agonist peptide, SEQ ID No 26.
 from: 1
 Location/Qualifiers
39
 ADL66146 standard; peptide; 39 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 9430
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166146 c
 WO2003099314-A1.
 Sequence 39 AA;
 Key
Modified-site
```

04-DEC-2003

Young AA,

Synthetic.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Synthetic.

Exendin agonist peptide, SEQ ID No 29.

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

Modified-site

28-MAY-2002; 2002US-00157224 28-MAY-2003; 2003WO-US016699

(AMYL-) AMYLIN PHARM INC. Kolterman

WPI; 2004-042706/04.

Young AA,

Location/Qualifiers

```
ADL66149 Length: 39 February 4, 2005 13:20 Type: P Check: 9546 Found using 'seq4' (mohamed337.key)
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 for the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 'note= "Tertiary-butylglycine"
 /note= "C-terminal amide"
 Disclosure, SEQ ID NO 28; 173pp; English
 Exendin agonist peptide, SEQ ID No 28
 Location/Qualifiers
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Key
Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
```

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gaetric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 29; 173pp; English.

TOIG of: ADL66148 Length: 39 February 4, 2005 13:20 Type: P Check: 9476 Found using 'seq4' (mohamed337.key) 29 to: 39 |-----| HGEGTFTSDLSKQLEEEAVRLFXEFLKNGGPSSGAPPPS match found in sequence: ad166149; Exendin agonist peptide, SEQ ID No check: 9546 from: 1 Ź standard; peptide; u "seq4ags.pep") of: ad166149 c

20-MAY-2004 (first entry)

ADL66149 ADL66149;

uxxxex

from

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exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 adl66150; Exendin agonist peptide, SEQ ID No 30. (from "seq4ags.pep")
TOIG of: adl66150 check: 9119 from: 1 to: 39
HGEGTFTSDLSKQMBEEAVRLFIDWLKNGGPSSGAPPPS
 Exendin agonist peptide, SEQ ID No 30.
 ADL66150 standard; peptide; 39 AA
 (first entry)
 1 match found in sequence:
 20-MAY-2004
 ADL66150;
```

dyslipidaemia,

Synthetic

Key Modified-site

04-DEC-2003

Young AA,

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptrying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66151 Length: 39 February 4, 2005 13:20 Type: P Check: 706 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166152; Exendin agonist peptide, SEQ ID No 32.
(from "seq4ags.pep)
TOIG of: ad166152 check: 458 from: 1 to: 39
 /note= "C-terminal amide"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
 Disclosure; SEQ ID NO 31; 173pp; English.
 Exendin agonist peptide, SEQ ID No 32,
 'note= "Thioproline"
 36. .38
/note= "Thioproline"
 ADL66152 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 ADL66152;
THE KAME WAS A STANDED AND A STANDARD A STA
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasms alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antidipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66150 Length: 39 February 4, 2005 13:20 Type: P Check: 9119 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
adl66151; Exendin agonist peptide, SEQ ID No 31.
(from "seq4ags.pep")
TOIG of: adl66151 check: 706 from: 1 to: 39
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 30; 173pp; English.
 Exendin agonist peptide, SEQ ID No 31.
 Location/Qualifiers
 check: 706 from: 1
 ADL66151 standard; peptide; 39 AA.
cardiovascular
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
```

Location/Qualifiers 36. .38

Key Modified-site

Location/Qualifiers

Synthetic

Key

ADL66151;

Synthetic.

```
Modified-site
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66154;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The movel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 į
 exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66152 Length: 39 February 4, 2005 13:20 Type: P Check: 458 Found using 'eeq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention
 match found in sequence:
ad166153; Exendin agonist peptide, SEQ ID No 33.
(from "seq4ags.pep")
TOIG of: ad166133 check: 706 from: 1 to: 39
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 32; 173pp; English
 Exendin agonist peptide, SEQ ID No 33.
 36. .38
/note= "Homoproline"
 note= "Homoproline"
/note= "Thioproline"
 Location/Qualifiers
 ADL66153 standard; peptide; 39 AA.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 Key
Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66153;
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```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric empeying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Type: P Check: 706
 match found in sequence:
adi66154; Exendin agonist peptide, SEQ ID No 34.
{from "seq4ags.pep"}
TOIG of: adi66154 check: 458 from: 1 to: 39
/note= "C-terminal amide"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
1
 /note= "C-terminal amide"
 ADL66153 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 33; 173pp; English.
 Exendin agonist peptide, SEQ ID No 34.
 Location/Qualifiers
36. .38
/note= "Homoproline"
39
 ADL66154 standard; peptide; 39 AA
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 Modified-site
```

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Sequence 39 AA;
 Key
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003.
 Synthetic.
 ADL66156;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66154 Length: 39 February 4, 2005 13:20 Type: P Check: 458 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166155; Exendin agonist peptide, SEQ ID No 35.
(from "seq4ags.pep")
TOIG of: ad166155 check: 267 from: 1 to: 39
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 34; 173pp; English.
 Exendin agonist peptide, SEQ ID No 35.
 'note= "Thioproline"
 'note= "Thioproline"
 Location/Qualifiers
 ADL66155 standard; peptide; 39 AA
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 .38
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66155;
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WO2003099314-A1

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyglipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66155 Length: 39 February 4, 2005 13:20 Type: P Check: 267 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention.
 nmatch found in sequence:
ad166156; Exendin agonist peptide, SEQ ID No 36.
(from seq4ags.pept
TOIG of: ad166156 check: 267 from: 1 to: 39
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 35; 173pp; English
 Exendin agonist peptide, SEQ ID No 36.
 16. .38
'note= "Homoproline"
 'note= "Homoproline"
 Location/Qualifiers
 ADL66156 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular
28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
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seq4\_ags.res

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gg/ml is achieved for at least 2st of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66157 Length: 39 February 4, 2005 13:20 Type: P Check: 706 Pound using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention
 adl66158; Exendin agonist peptide, SEQ ID No 38. (from "seq4ags.pep")
TOIG of: adl66158 check: 458 from: 1 to: 39
 HGEGTFTSDLSKOMEERAVRLFIEWLKNGGXSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 37; 173pp; English
 16. .38
/note= "N-methylalanine"
 Exendin agonist peptide, SEQ ID No 38.
 Location/Qualifiers
 ADL66158 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular.
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 match found in sequence:
 WO2003099314-A1
 Sequence 39 AA;
 Key
Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66158;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anotocicic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66156 Length: 39 February 4, 2005 13:20 Type: P Check: 267 Found using 'seq4' (mohamed337.key)
 ad166157 ; Exendin agonist peptide, SEQ ID No 37.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 36; 173pp; English.
 note= "N-methylalanine"
 'note= "N-methylalanine"
 Exendin agonist peptide, SEQ ID No 37.
 Location/Qualifiers
 check: 706 from: 1
 ADL66157 standard; peptide; 39 AA
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 36. .38
 match found in sequence:
 WPI; 2004-042706/04.
 n "sėg4ags.pep")
of: ad166157 o
 Sequence 39 AA;
 WO2003099314-A1
 Key
Modified-site
 Modified-site
 Modified-site
 20-MAY-2004
04-DEC-2003.
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66157;
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(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has anticibated; anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66158 Length: 39 February 4, 2005 13:20 Type: P Check: 458 Found using '8eq4' (mohamed337.key)
 L match found in sequence:
ad166159; Exendin agonist peptide, SEQ ID No 39.
(from "seq4ags.pep")
TOIG of: ad166159 check: 267 from: 1 to: 39
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXXS
 Disclosure, SEQ ID NO 38; 173pp; English
 /note= "C-terminal amide"
 /note= "N-methylalanine" 39
 /note= "N-methylalanine"
 Exendin agonist peptide, SEQ ID No 39.
 Location/Qualifiers
 check: 267 from: 1
 ADL66159 standard; peptide; 39 AA.
 dyslipidaemia; cardiovascular.
28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 39 AA;
 WO2003099314-A1
 Key
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003
 Synthetic.
 foung AA,
 ADL66159
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic;
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Type: P Check: 267
 . match found in sequence:
ad166160; Exendin agonist peptide, SEQ ID No 40.
(from "seq4ags.pep")
TOIG of: ad166160 check: 700 from: 1 to: 28
 ADL66159 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 39; 173pp; English.
 Exendin agonist peptide, SEQ ID No 40.
 Location/Qualifiers
 ADL66160 standard; peptide; 28
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 Sequence 39 AA;
 WO2003099314-A1
 Modified-site
 04-DEC-2003
 Synthetic
 ADL66160;
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```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impairted glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 ADL66160 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 40; 173pp; English
 HGEGTFTSDLSKQMEEEAVRLFIEWLKN
 WPI; 2004-042706/04.
 Sequence 28 AA;
```

exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

ADL66161 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)

Sequence 28 AA;

HGEGTFTSDLSKQLEEEAVRLFIEFLKN

invention relates to a novel pharmaceutical composition comprising an

Disclosure; SEQ ID NO 41; 173pp; English.

```
exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
1 match found in sequence:
ad16s161 ; Exendin agonist peptide, SEQ ID No 41.
(from "seqqaga.pep")
TOIG of: ad166161 check: 261 from: 1 to: 28
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 41.
 Location/Qualifiers
28
 ADL66161 standard; peptide; 28 AA
 28-MAY-2003; 2003WO-US016699
 (first entry)
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 Synthetic
 ADL66161;
```

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

```
The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 exendin (agonist) peptide in an extended-release formulation. The
l match found in sequence:
ad166162 ; Exendin agonist peptide, SEQ ID No 42.
(from "seq4ag.pe")
TOIG of: ad166162 check: 249 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 42; 173pp; English
 Exendin agonist peptide, SEQ ID No 42.
 Location/Qualifiers
 ADL66162 standard; peptide; 28
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003.
 Synthetic.
 ADL66162;
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formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obssity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention 

Sequence 28 AA;

ADL66162 Length: 28 February 4, 2005 13:20 Type: P Check: 249 ound using 'seq4' (mohamed337.key) Found using

HAEGTFTSDLSKQLEEEAVRLFIEFLKN

adl66163; Exemdin agonist peptide, SEQ ID No 43. (from "seq4ags.pep")
TOIG of: adl66163 check: 166 from: 1 to: 28 match found in sequence:

ADL66163 standard; peptide; 28 AA. ADL66163; 

Exendin agonist peptide, SEQ ID No 43. (first entry) 20-MAY-2004

exendin; extended-release formulation; plasma level; antidiabetic; anorectic, antilipaemic, diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardlovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Disclosure; SEQ ID NO 43; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendian (agonist) peptided in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic,

anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 8888888888

Sequence 28 AA;

Type: P Check: 166 February 4, 2005 13:20 ADL66163 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

|------| HGEGAFTSDLSKQLEEEAVRLFIEFLKN 1

adl66164 ; Exendin agonist peptide, SEQ ID No 44. check: 231 from: 1 match found in sequence: (from "seq4ags.pep") TOIG of: ad166164 c

ADL66164 standard; peptide; 28 AA

ADL66164;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 44.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

ġ

Kolterman

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 44; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25\$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lumbibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence 

SXS

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exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, in hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level; antidiabetic, antilipaemic, diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Check: 231
represents an exendin agonist peptide of the invention.
 represents an exendin agonist peptide of the invention
 ADL66164 Length: 28 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
 . match found in sequence:
adl66165; Exemdin agonist peptide, SEQ ID No 45.
(from "seq4ags.pep")
TOIG of: adl66165 check: 117 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure, SEQ ID NO 45; 173pp; English.
 Exendin agonist peptide, SEQ ID No 45.
 Location/Qualifiers
28
 ADL66165 standard; peptide; 28 AA.
 HGEGTATSDLSKOLEEEAVRLFIEFLKN
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Sequence 28 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 Young AA,
```

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impatred glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 anorectic; antilipaemic; diabetes; glucões; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66166 Length: 28 February 4, 2005 13:20 Type: P Check: 151 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
ad16s166 ; Exemdin agonist peptide, SEQ ID No 46.
(from 'seq4ags.pep')
TOIG of: ad166166 check: 151 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 46; 173pp; English.
 Exendin agonist peptide, SEQ ID No 46.
 Location/Qualifiers
 ADL66166 standard; peptide; 28
 HGEGTFTADLSKOLEEEAVRLFIEFLKN
Found using 'seq4' (mohamed337.key)
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Key
Modified-site
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66166;
 XCCCCCCCCCCCX8X444X8X1X8X6X6X6X6X4444X8X6X6X6X6A
```

**HGEGTFTSDASKQLEEEAVRLFIEFLKN** 

ADL66165 Length: 28 February 4, 2005 13:20 Type: P Check: 117

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 48.

20-MAY-2004 (first entry)

ADL66168;

rolg of: adl66168 check: 141 from: 1

ADL66168 standard; peptide; 28 AA.

/note= "C-terminal amide"

Location/Qualifiers 28

Key Modified-site

Synthetic

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 15 gp/ml is achieved for at least 15 gp/ml is achieved for at least 15 gp/m anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; ancettic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66167 Length: 28 February 4, 2005 13:20 Type: P Check: 63 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention
. match found in sequence:
ad166167; Exendin agonist peptide, SEQ ID No 47.
(from "seq4age.pep")
TOIG of: ad166167 check: 63 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 47; 173pp; English
 Exendin agonist peptide, SEQ ID No 47.
 Location/Qualifiers
28
 ADL66167 standard; peptide; 28 AA
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Key
Modified-site
 04-DEC-2003
 Synthetic.
 ADL66167;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 15s another that an average of the predetermined release period. The composition has antidiabetic, an are useful in treating diabetes and conditions that would be benefited by lowering plasms alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 ADL66168 Length: 28 February 4, 2005 13:20 Type: P Check: 141 vound using 'seq4' (mohamed337.key)
 1 match found in sequence:
ad166169 ; Exendin agonist peptide, SEQ ID No 49.
 to: 28
 Disclosure; SEQ ID NO 48; 173pp; English
 from: 1
 ADL66169 standard; peptide; 28 AA.
 HGEGTFTSDLSAQLEEEAVRLFIEFLKN
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 53
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
 Sequence 28 AA;
 WO2003099314-A1
 04-DEC-2003
 Young AA,
 ADL66169;
 Found using
BXX
```

. match found in sequence: ad166168 ; Exendin agonist peptide, SEQ ID No 48. (from "seq4ags.pep")

**HGEGTFTSDLAKQLEEEAVRLFIEFLKN** 

/note= "C-terminal amide"

Location/Qualifiers

```
Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Disclosure; SEQ ID NO 50; 173pp; English
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1.
 Key
Modified-site
 04-DEC-2003
 Synthetic
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 23
 ADL66169 Length: 28 Pebruary 4, 2005 13:20 Type: P Check: und using 'seq4' (mohamed337.key)
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 49; 173pp; English
 Exendin agonist peptide, SEQ ID No 49.
 Location/Qualifiers
 |----HGEGIFTSDLSKALEEEAVRLFIEFLKN
 dyslipidaemia; cardiovascular.
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Found
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslighaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Type: P Check: 107
 adl66171; Exendin agonist peptide, SEQ ID No 51. (from "seq4ags.pep")
TOIG of: adl66171 check: 201 from: 1 to: 28
 ADL66170 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Exendin agonist peptide, SEQ ID No 51.
 ADL66171 standard; peptide; 28
 HGEGTFTSDLSKQAEEEAVRLFIEFLKN
 20-MAY-2004 (first entry)
 match found in sequence:
 Sequence 28 AA;
 ADL66171;

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adl66170 ; Exendin agonist peptide, SEQ ID No 50. (from "seq4ags.pep")
TOIG of: adl66170 check: 107 from: 1 to: 28

match found in sequence:

ADL66170 standard; peptide; 28 AA

80.

Exendin agonist peptide, SEQ ID No

(first entry)

20-MAY-2004

ADL66170;

Synthetic.

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WO2003099314-A1
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obssity, which is a such as impaired glucose conditions.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66171 Length: 28 February 4, 2005 13:20 Type: P Check: 201 Found using 'seq4' (mohamed337.key)
 match found in sequence:
adl66172; Exemain agonist peptide, SEQ ID No 52.
(from "seq4ags.pep")
TOIG of: adl66172 check: 197 from: 1 to: 28
 /note= "C-terminal amide"
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 51; 173pp; English
 Exendin agonist peptide, SEQ ID No 52.
 Location/Qualifiers
 Location/Qualifiers
 ADL66172 standard, peptide; 28 AA
 HGEGTFTSDLSKQLAEEAVRLFIEFLKN
 cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Key
Modified-site
 dyslipidaemia;
 Modified-site
 34-DEC-2003
 Synthetic.
 ADL66172;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66172 Length: 28 February 4, 2005 13:20 Type: P Check: 197 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166173; Exemin agonist peptide, SEQ ID No 53.
[from "seq4ags.pep"]
TOIG of: ad166173 check: 193 from: 1 to: 28
 Disclosure; SEQ ID NO 52; 173pp; English.
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 53
 Location/Qualifiers
 ADL66173 standard; peptide; 28 AA.
 HGEGTFTSDLSKQLEAEAVRLFIEFLKN
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 WPI; 2004-042706/04.
 Sequence 28 AA;
 WO2003099314-A1
 Key
Modified-site
04-DEC-2003.
 04-DEC-2003
 Young AA,
 ADL66173;
 Synthetic
```

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Type: P Check: 193
 match found in sequence:
ad166174 ; Exendin agonist peptide, SEQ ID No 54.
 to: 28
 ADL66173 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 /note= "C-terminal amide"
 Disclosure, SEQ ID NO 53; 173pp; English
 Exendin agonist peptide, SEQ ID No 54.
 from: 1
 Location/Qualifiers
 ADL66174 standard; peptide; 28 AA
 |------|
HGEGTFTSDLSKQLEEAAVRLFIEFLKN
 28-MAY-2002; 2002US-00157224.
28-MAY-2003; 2003WO-US016699
 28-MAY-2003; 2003WO-US016699
 (from "seq4ags.pep")
TOIG of: ad166174 check: 9862
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 28 AA;
 WO2003099314-A1
 Key
Modified-site
 04-DEC-2003
 Synthetic
 ADL66174;
```

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 4, 2005 13:20 Type: P Check: 9862
 1 match found in sequence:
ad166175 ; Exendin agonist peptide, SEQ ID No 55.
 to: 28
 Disclosure; SEQ ID NO 54; 173pp; English.
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 55.
 check: 9921 from: 1
 Location/Qualifiers
 ADL66175 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEEAARLFIEFLKN
1
 ADL66174 Length: 28 February 4, Found using 'seq4' (mohamed337.key
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
Kolterman OG;
 Kolterman OG;
 WPI; 2004-042706/04.
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166175 c
 WO2003099314-A1
 Sequence 28 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003.
 Young AA,
Young AA,
 Synthetic.
 ADL66175;
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
```

Disclosure; SEQ ID NO 55; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predecermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ADL66175 Length: 28 February 4, 2005 13:20 Type: P Check: 9921 ound using 'seq4' (mohamed337.key) Found using 'seq4'

HGEGTFTSDLSKQLEEEAVALFIEFLKN 1

1 match found in sequence:
adl6176 ; Excendin agonist peptide, SEQ ID No seq. [from "seq4ags.pep"]
TOIG of: adl66176 check: 30 from: 1 to: 28 to: 28

ADL66176 standard; peptide; 28 AA ADL66176; 

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 56,

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 56; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

X00000000000000X8

Sequence 28 AA;

Check: 30 ADL66176 Length: 28 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEBEAVRAFIEFLKN

L match found in sequence:
adl66177; Exendin agonist peptide, SEQ ID No 57.
(from "seq4age.pep")
TOIG of: adl66177 check: 165 from: 1 to: 28 ADL66177 standard; peptide; 28 AA

ADL66177;

20-MAY-2004 (first entry)

57. Exendin agonist peptide, SEQ ID No

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. 

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 57; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such

that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasms alucose or delaying and/or slowing gastric emptrying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 8888888888888

Sequence 28 AA;

ADL66177 Length: 28 February 4, 2005 13:20 Type: P Check: 165 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIAFLKN

ad166178; Exendin agonist peptide, SEQ ID No 58. (from "seq4ags.pep")
TOIG of: ad166178 check: 136 from: 1 to: 28 1 match found in sequence:

ADL66178 standard; peptide; 28 AA

ADL66178;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 58.

exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia; cardiovascular. 

Synthetic.

/note= "C-terminal amide" Location/Qualifiers 28 Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003, 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation Disclosure; SEQ ID NO 58; 173pp; English

exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, Check: 136 ADL66178 Length: 28 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key) match found in sequence:
adl66179; Exendin agonist peptide, SEQ ID No 59.
(from "seq4ags.pep")
TOIG of: adl66179 check: 9975 from: 1 to: 28 /note= "C-terminal amide" Disclosure; SEQ ID NO 59; 173pp; English Exendin agonist peptide, SEQ ID No 59. Location/Qualifiers ADL66179 standard; peptide; 28 AA. |------| HGEGTFTSDLSKQLEBEAVRLFIBALKN 1 dyslipidaemia; cardiovascular 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699, 20-MAY-2004 (first entry) (AMYL-) AMYLIN PHARM INC. Young AA, Kolterman OG; WPI; 2004-042706/04. WO2003099314-A1 Sequence 28 AA; Key Modified-site 04-DEC-2003. Synthetic. ឧឧឧឧ 

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impairsed glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ဝွ

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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying; inhibiting food intake, tolerance, obesity; hyperglycaemia,
ADL66179 Length: 28 February 4, 2005 13:20 Type: P Check: 9975 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166180 ; Exendin agonist peptide, SEQ ID No 60.
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 60; 173pp; English.
 Exendin agonist peptide, SEQ ID No 60
 check: 9991 from: 1
 Location/Qualifiers
 ADL66180 standard; peptide; 28 AA.
 HGEGTFTSDLSKQLEEBAVRLFIEFAKN
1
 dyslipidaemia; cardiovascular.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166180 c
 WO2003099314-A1
 Modified-site
 04-DEC-2003
 Synthetic
 Young AA,
```

The invention relates to a novel pharmaccutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by

lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence

represents an exendin agonist peptide of the invention

2005 13:20 Type: P Check: 9897

|------HGEGTFTSDLSKQLBEBAVRLFIEFLKA 28

ADL66181 Length: 28 February 4, ound using 'seq4' (mohamed337.key)

Found

Sequence 28 AA;

The invention relates to a novel pharmaceutical composition comprising an

Disclosure; SEQ ID NO 61; 173pp; English.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Sequence 28 AA;

ADL66180 Length: 28 February 4, 2005 13:20 Type: P Check: 9991 Found using 'seq4' (mohamed337.key)

```
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 adl66181 ; Exendin agonist peptide, SEQ ID No 61
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 61.
 check: 9897 from: 1
 Location/Qualifiers
 ADL66181 standard; peptide; 28 AA.
HGEGTFTSDLSKQLEEEAVRLFIEFLAN
28
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 1 match found in sequence:
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166181 c
 WO2003099314-A1
 Key
Modified-site
 Young AA,
 Synthetic.
 ADL66181;
```

exendin, extended-release formulation, plasma level, antidiabetic; anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,

dyslipidaemia; cardiovascular

Synthetic

Exendin agonist peptide, SEQ ID No 63

(first entry)

20-MAY-2004

ADL66183 standard; peptide; 38 AA.

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers 38

Modified-site

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66182 Length: 38 February 4, 2005 13:20 Type: P Check: 6333
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
. match found in sequence:
ad16619: Exemina agonist peptide, SEQ ID No 62.
(from "seq4ags.pep")
TOIG of: ad166182 check: 6333 from: 1 to: 38
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 62; 173pp; English
 Exendin agonist peptide, SEQ ID No 62.
 Location/Qualifiers
38
 ADL66182 standard; peptide; 38
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 38 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 foung AA,
 ADL66182;
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

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exendin (agonist) peptide in an extended-release formulation completely exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined fenemate period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Type: P Check: 5894
 1 match found in sequence: adl66184 ; Exendin agonist peptide, SEQ ID No 64.
 to: 37
Disclosure, SEQ ID NO 63; 173pp; English.
 2005 13:20
 |-----HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
 from: 1
 ADL66184 standard; peptide; 37 AA
 Length: 38 February 4,
g 'seg4' (mohamed337.key)
 check: 3293
 20-MAY-2004 (first entry)
 (from "seq4ags.pep")
 Sequence 38 AA;
 Found using
 SXXXE
```

l match found in sequence:
adl66183; Exendin agonist peptide, SEQ ID No 63.
(from "seq4ags.pep")
TOIG of: adl66183 check: 5894 from: 1 to: 38

HGEGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPP

Found using 'seq4' (mohamed337.key)

seq4\_ags.res

tolerance; obesity; hyperglycaemia;

inhibiting food intake; tolera dyslipidaemia; cardiovascular.

Synthetic.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gp/dm is achieved for at least 2st of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity,
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; ancectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66184 Length: 37 February 4, 2005 13:20 Type: P Check: 3293 ound using 'seq4' (mohamed337.key)
 ID No 65
 to: 37
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 64; 173pp; English
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPP
 Exendin agonist peptide, SEQ ID No 64
 check: 2854 from: 1
 Location/Qualifiers 37
 adl66185; Exendin agonist peptide, SEQ (from "seq4ags.pep")
TOIG of: adl66185 check: 2854 from: 1
 ADL66185 standard; peptide; 37 AA
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699.
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 1 match found in sequence:
 WO2003099314-A1
 Sequence 37 AA;
 Modified-site
 Pound using 'seq4'
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66185;
44444444
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exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying,

Exendin agonist peptide, SEQ ID No 65.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Type: P Check: 2854
 99
 to: 36
 ADL66185 Length: 37 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166186 ; Exendin agonist peptide, SEQ ID No
 Disclosure; SEQ ID NO 65; 173pp; English.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
 Exendin agonist peptide, SEQ ID No 66.
 Location/Qualifiers
37
 from: 1
 ADL66186 standard; peptide; 36 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 333
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 37 AA;
 (from "seq4ags.pep
TOIG of: ad166186
 Key
Modified-site
 04-DEC-2003.
 Synthetic
 ADL66186;
```

04-DEC-2003

Young AA,

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying; inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66187 Length: 36 February 4, 2005 13:20 Type: P Check: 9894 Found using 'seq4' (mohamed337.key)
 68
 . match found in sequence:
ad166188; Exendin agonist peptide, SEQ ID No
[fizm "seq4ags.pep"]
TOIG of: ad166188 check: 7453 from: 1 to:
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 67; 173pp; English.
 |-----HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP
 Exendin agonist peptide, SEQ ID No 68.
 Location/Qualifiers
 ADL66188 standard; peptide; 35 AA.
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 WPI; 2004-042706/04
 WO2003099314-A1
 Sequence 36 AA;
 Key
Modified-Bite
 04-DEC-2003.
 04-DEC-2003.
 Synthetic.
 Young AA,
 ADL66188;
the inventor is capable of no extended release formulation composition to composition to a mover an extending the period. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, ano antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66186 Length: 36 February 4, 2005 13:20 Type: P Check: 333 Found using 'seq4' (mohamed337.key)
 . match found in sequence: ad166187; Exendin agonist peptide, SEQ ID No 67. (from "seq4ags.pep") TOIG of: ad166187 check: 9894 from: 1 to: 36
 /note= "C-terminal amide"
 /note= "C-terminal amide"
 Disclosure, SEQ ID NO 66, 173pp, English
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
 Exendin agonist peptide, SEQ ID No 67.
 Location/Qualifiers
36
Location/Qualifiers
 ADL66187 standard; peptide; 36 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 36 AA;
 WO2003099314-A1
Key
Modified-site
 Key
Modified-site
```

WO2003099314-A1

Synthetic

BXZZEXEXEXEXEXEXEXEX

20-MAY-2004

ADL66187;

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predecermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predecermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
 exendin; extended-release formulation; plasma level; antidiabetic; ancetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66188 Length: 35 February 4, 2005 13:20 Type: P Check: 7453 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166189; Exendin agonist peptide, SEQ ID No 69.
(from "seq4ags.pep")
TOIG of: ad166189 check: 7014 from: 1 to: 35
 35
/note= "C-terminal amide"
 Disclosure; SEQ ID NO 68; 173pp; English.
 Exendin agonist peptide, SEQ ID No 69
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
 Location/Qualifiers
 ADL66189 standard; peptide; 35 AA
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 35 AA;
 WO2003099314-A1
 Modified-site
 04-DEC-2003
 Synthetic.
 ADL66189;
 Young AA,
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Type: P Check: 7014
 1 match found in sequence:
adl66190; Exendin agonist peptide, SEQ ID No 70.
(from "seq4ags.pep")
TOIG OF: adl66190 check: 5178 from: 1 to: 34
 'note= "C-terminal amide"
 ADL66189 Length: 35 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 69; 173pp; English.
 Exendin agonist peptide, SEQ ID No 70.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
 Location/Qualifiers
 ADL66190 standard; peptide; 34 AA
 dyslipidaemia; cardiovascular.
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
WPI; 2004-042706/04.
 WO2003099314-AI.
 Sequence 35 AA;
 Modified-site
 04-DEC-2003.
 foung AA,
 Synthetic.
 ADL66190;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
an exendin agonist peptide in an extended-release formulation.
 Disclosure; SEQ ID NO 70; 173pp; English.
 Sequence 34 AA;
 exendin or
```

ad166191 ; Exendin agonist peptide, SEQ ID No 71. to: 34 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSG check: 4739 from: 1 1 match found in sequence: n "seq4ags.pep") of: adl66191 c

ADL66190 Length: 34 February 4, 2005 13:20 Type: P Check: 5178 Found using 'seq4' (mohamed337.key)

exendin; extended-release formulation; plasma level; antidiabetic; anorectic, antilipaemic, diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. Exendin agonist peptide, SEQ ID No 71. ADL66191 standard; peptide; 34 AA (first entry) 20-MAY-2004 ADL66191; 

/note= "C-terminal amide" Location/Qualifiers Key Modified-site Synthetic.

WO2003099314-A1

04-DEC-2003

(AMYL-) AMYLIN PHARM INC.

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended release formulation.

Disclosure; SEQ ID NO 71; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least lone hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

886666666666688888

Sequence 34 AA;

ADL66191 Length: 34 February 4, 2005 13:20 Type: P Check: 4739 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG

. match found in sequence: ad166192 ; Exendin agonist peptide, SEQ ID No 72. check: 2764 from: 1 ADL66192 standard; peptide; 33 AA (from "seq4ags.pep" TOIG of: ad166192

20-MAY-2004 (first entry) ADL66192;

Exendin agonist peptide, SEQ ID No 72.

exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia; cardiovascular 

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

WPI; 2004-042706/04.

Kolterman OG;

Young AA,

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 72; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25%

seq4\_ags.res

```
anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
predetermined release period. The composition has antidiabetic,
 Check: 2764
 192 Length: 33 February 4, 2005 13:20 Type: Pusing 'seq4' (mohamed337.key)
 Sequence 33 AA;
 ADL66192
 Found
8X888888XX
```

adl66193; Exendin agonist peptide, SEQ ID No 73. (from "seq4ags.pep")
TOIG of: adl66193 check: 2325 from: 1 to: 33 HGEGTFTSDLSKOMEEEAVRLFIEWLKOVGGPSS 1 match found in sequence:

exendin; extended release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; Exendin agonist peptide, SEQ ID No 73. ADL66193 standard; peptide; 33 AA. 20-MAY-2004 (first entry) ADL66193; 

Location/Qualifiers dyslipidaemia; cardiovascular. Synthetic

/note= "C-terminal amide" Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 73; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exemdin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gp/ml. is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity,

Sequence 32 AA

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/m is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 This sequence
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying; inhibiting food intake, tolerance, obesity, hyperglycaemia,
 Type: P Check: 2325
hyperglycaemia, dyslipidaemia or cardiovascular disease. represents an exendin agonist peptide of the invention.
 . match found in sequence:
adl66194; Exendin agonist peptide, SEQ ID No 74.
(from "seq4ags.pep")
TOIG of: adl66194 check: 25 from: 1 to: 32
 /note= "C-terminal amide"
 Length: 33 February 4, 2005 13:20
3 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 74; 173pp; English
 Exendin agonist peptide, SEQ ID No 74.
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
 Location/Qualifiers
 ADL66194 standard; peptide; 32 AA
 dyslipidaemia; cardiovascular.
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1.
 Sequence 33 AA;
 Key
Modified-site
 04-DEC-2003.
 Synthetic.
 ADL66194;
 Found using
 ADL66193
 ន្តដូនូ
```

```
ADL66194 Length: 32 February 4, 2005 13:20 Type: P Check: 25 Found using 'seq4' (mohamed337.key)
```

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS

. match found in sequence:
ad166195; Exemdin agonist peptide, SEQ ID No 75.
(from seq4ags.pep,)
TOIG of: ad166195 check: 9586 from: 1 to: 32

ADL66195 standard; peptide; 32 AA

ADL66195;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 75.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

foung AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 75; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obsestly, the control of the co hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 

Sequence 32 AA;

2005 13:20 Type: P Check: 9586 ADL66195 Length: 32 February 4, ound using 'seq4' (mohamed337.key) Found using 'seq4'

HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPS

28

1 match found in sequence: adl66196 ; Exendin agonist peptide, SEQ ID No 76. to: 31 (from "seq4ags.pep") TOIG of: ad166196 c

check: 7369 from: 1

ADL66196 standard; peptide; 31 AA

ADL66196;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 76.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 76; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gg/ml is achieved for at least 2% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 

Sequence 31 AA;

Type: P Check: 7369 2005 13:20 ADL66196 Length: 31 February 4, ound using 'seq4' (mohamed337.key) Found using

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGP

1 match found in sequence: ad166197 ; Exendin agonist peptide, SEQ ID No 77.

extended-release formulation; plasma level; antidiabetic;

(first entry)

/note= "C-terminal amide"

Location/Qualifiers 30

```
Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Exendin agonist peptide, SEQ ID No 78.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699.
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66198;
 exendin:
the invention capable of a mover pharmaceuteat composition competent composition that the composition is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lumbring food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyglipidaemia or cardiovascular disease. This sequence
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66197 Length: 31 February 4, 2005 13:20 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention
 to: 31
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 77; 173pp; English
 Exendin agonist peptide, SEQ ID No 77.
 from: 1
 Location/Qualifiers
 ADL66197 standard; peptide; 31 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 6930
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1.
 (from "seq4ags.pep")
TOIG of: ad166197 c
 Sequence 31 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66197
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Kolterman OG;

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Type: P Check: 4450
 . match found in sequence:
ad166199; Exemin agonist peptide, SEQ ID No 79.
(from "seq4ags.pep")
TOIG of: ad166199 check: 2759 from: 1 to: 29
 ADL66198 Length: 30 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
Disclosure; SEQ ID NO 78; 173pp; English
 Exendin agonist peptide, SEQ ID No 79.
 ADL66199 standard; peptide; 29 AA
 |------|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
 20-MAY-2004 (first entry)
 Sequence 30 AA;
 ADL66199;
 BXXXXXX
```

match found in sequence:
ad166198 ; Exemina agonist peptide, SEQ ID No 78.
[ffrom seq4ags.pel]
TOIG of: ad166198 check: 4450 from: 1 to: 30

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP

ADL66198 standard; peptide; 30 AA

В×

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 5.5$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilippemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovaccular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 29 February 4, 2005 13:20 Type: P Check: 2759 (mohamed337.key)
 represents an exendin agonist peptide of the invention
 ad166200; Exendin agonist peptide, SEQ ID No 80. (from "seq4ags.pep")
TOIG of: ad166200 check: 2320 from: 1 to: 29
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 79; 173pp; English.
 Exendin agonist peptide, SEQ ID No 80.
 Location/Qualifiers
29
 ADL66200 standard; peptide; 29 AA
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
 dyslipidaemia; cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 1 match found in sequence:
 ADL66199 Length: 29
 Sequence 29 AA;
 WO2003099314-A1
 Key
Modified-site
 Found using 'seq4'
 20-MAY-2004
 04-DEC-2003
 Young AA,
 Synthetic
 ADL66200;
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, another an antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 4, 2005 13:20 Type: P Check: 2320
 . match found in sequence: ad166201; Exemin agonist peptide, SEQ ID No 81. (from "seq4ags.pep")
TOIG of: ad166201 check: 7469 from: 1 to: 38
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 80; 173pp; English
 Exendin agonist peptide, SEQ ID No 81.
 Location/Qualifiers
31
 Location/Qualifiers
 ADL66201 standard; peptide; 38 AA.
 HGEGTFTSDLSKQLEBEAVRLFIBFLKNG
1
 5200 Length: 29 February 4, using 'seq4' (mohamed337.key)
 dyslipidaemia; cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 29 AA;
 Key
Modified-site
 Modified-site
 04-DEC-2003.
 Synthetic.
 Synthetic.
 ADL66201;
 ADL66200
 Found
13XXXXXXXXXXXXXXXX
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 1 match found in sequence:
ad166203 ; Exendin agonist peptide, SEQ ID No 83
(from "seq4ags.pep")
TOIG of: ad166203 check: 3541 from: 1 to: 37
 /note= "C-terminal amide"
 /note= "C-terminal amide"
 ADL66202 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 82; 173pp; English.
 'note= "N-methylalanine"
 HGEGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGAXXX
 Exendin agonist peptide, SEQ ID No 83.
 Location/Qualifiers
 ADL66203 standard; peptide; 37 AA
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
Modified-site 38
 WO2003099314-A1
 Sequence 38 AA;
 Key
Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66203;
XTTTTTTX
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66201 Length: 38 February 4, 2005 13:20 Type: P Check: 7469 Found using 'seq4' (mohamed337.key)
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 adl66202; Exendin agonist peptide, SEQ ID No 82. (from "seq4ags.pep")
TOIG of: adl66202 check: 7221 from: 1 to: 38
 /note= "C-terminal amidé"
 Disclosure, SEQ ID NO 81; 173pp; English
 HGEGTFTSDLSKOMEEEAVRLF1EWLKNGGXSSGAXXX
 Exendin agonist peptide, SEQ ID No 82.
 6. .38
note= "Thioproline"
 Location/Qualifiers
36. .38
/note= "Thioproline"
note= "Thioproline"
 ADL66202 standard; peptide; 38 AA.
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 1 match found in sequence:
 WPI; 2004-042706/04.
 Sequence 38 AA;
 WO2003099314-A1
 Key
Modified-site
 Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66202;
```

113282424242621

Type: P Check: 7221

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucoëe or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66204 Length: 37 February 4, 2005 13:20 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 . match found in sequence:
adl66205; Exemin agonist peptide, SEQ ID No 85.
(from "seq4ags.pep")
TOIG of: adl66205 check: 4125 from: 1 to: 37
 Disclosure; SEQ ID NO 84; 173pp; English.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
 Exendin agonist peptide, SEQ ID No 85.
 'note= "Homoproline"
 36. .37
 Location/Qualifiers
 ADL66205 standard; peptide; 37 AA
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 37 AA;
 Key
Modified-site
 Young AA,
 Synthetic.
 ADL66205;
formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, another in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity; hyperglycaemia,
 ADL66203 Length: 37 February 4, 2005 13:20 Type: P Check: 3541 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166204 ; Exendin agonist peptide, SEQ ID No 84.
 to: 37
 Disclosure; SEQ ID NO 83; 173pp; English
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP
 Exendin agonist peptide, SEQ ID No 84.
 check: 4125 from: 1
 Location/Qualifiers
 ADL66204 standard; peptide; 37 AA
 cardiovascular
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04
 (from "seq4ags.pep")
TOIG of: adl66204 o
WO2003099314-A1
 Sequence 37 AA;
 dyslipidaemia;
 Modified-site
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66204;
```

/note= "C-terminal amide"

WO2003099314-A1

/note= "C-terminal amide"

WO2003099314-A1

'note= "N-methylalanine" 'note= "N-methylalanine"

> Modified-site Modified-site

Modified-site Modified-site

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasms alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66206 Length: 36 February 4, 2005 13:20 Type: P Check: 869 Found using '8eq4' (mohamed337.key)
 adl66207 ; Exendin agonist peptide, SEQ ID No 87.
 /note= "C-terminal amide"
 check: 7463 from: 1 to:
 Disclosure; SEQ ID NO 86; 173pp; English
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAX
 Exendin agonist peptide, SEQ ID No 87.
 Location/Qualifiers
 ADL66207 standard; peptide; 35 AA
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 match found in sequence:
 WPI; 2004-042706/04
 WO2003099314-A1
 Sequence 36 AA;
 (from "seq4ags.pep'
TOIG of: ad166207
 Key
Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic:
 ADL66207;
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 /note= "Homoproline residue with C-terminal amide"
 ADL66205 Length: 37 February 4, 2005 13:20 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)
 L match found in sequence:
adl66206; Exendin agonist peptide, SEQ ID No 86.
(from "seq4ags.pep")
TOIG of: adl66206 check: 869 from: 1 to: 36
 Disclosure; SEQ ID NO 85; 173pp; English
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
 Exendin agonist peptide, SEQ ID No 86.
 note= "Homoproline"
 Location/Qualifiers
 ADL66206 standard; peptide; 36 AA.
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 37 AA;
 Key
Modified-site
 Modified-site
 20-MAY-2004
04-DEC-2003
 04-DEC-2003
 Synthetic.
```

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyglipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66207 Length: 35 February 4, 2005 13:20 Type: P Check: 7463 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention.
 1 match found in sequence:
adi66208; Exendin agonist peptide, SEQ ID No 88.
(from "seq4ags.pep")
TOIG of: ad166208 check: 4886 from: 1 to: 30
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 87; 173pp; English
 Exendin agonist peptide, SEQ ID No 88.
 RGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
 Location/Qualifiers
30
 ADL66208 standard; peptide; 30 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
Kolterman OG;
 WPI; 2004-042706/04
 Sequence 35 AA;
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66208;
1X2X5X5X5X5X5X113X8X55X5X5X5X5X1X5X5X1
```

Pharmaceutical composition for treating diabetes, impaired glucose

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

foung AA,

WPI; 2004-042706/04

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined trelease period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66208 Length: 30 February 4, 2005 13:20 Type: P Check: 4886 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166209; Exendin agonist peptide, SEQ ID No 89.
(from "seq4ags.pep")
TOIG of: ad166209 check: 369 from: 1 to: 28
 "C-terminal amide"
 Disclosure, SEQ ID NO 88; 173pp; English.
 /note= "Naphthylalanine"
 Exendin agonist peptide, SEQ ID No 89.
 Location/Qualifiers
 ADL66209 standard; peptide; 28 AA
 |-----|
HGDGTFTSDLSKQMBEEAVRLFIEWLKNGG
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 ĝ
 (AMYL-) AMYLIN PHARM INC.
 /note=
 Kolterman
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 30 AA;
 Key
Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66209;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
Disclosure; SEQ ID NO 89; 173pp; English.
 Sequence 28 AA;
```

Check: 369 ADL66209 Length: 28 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)

HGEGTXTSDLSKQLEEEAVRLFIEFLKN 1

match found in sequence: ad166210 ; Exendin agonist peptide, SEQ ID No 90. check: 693 from: 1 from "seq4ags.pep" OIG of: ad166210

Exendin agonist peptide, SEQ ID No 90. ADL66210 standard; peptide; 28 AA. 20-MAY-2004 (first entry) ADL66210; 

exendin, extended-release formulation, plasma level, antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia, cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Disclosure; SEQ ID NO 90; 173pp; English.

release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obssity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

8888888888888

Sequence 28 AA;

Check: 693 Type: P February 4, 2005 13:20 ADL66210 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

|-----HGEGTFSSDLSKQMEEEAVRLFIEWLKN

1 match found in sequence: adl66211 ; Exendin agonist peptide, SEQ ID No 91. to: 28 from: 1 (from "seq4ags.pep") TOIG of: ad166211 check: 701

ADL66211;

ADL66211 standard; peptide; 28 AA

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 91.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

'note= "C-terminal amide" Location/Qualifiers Key Modified-site 

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 91; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gydm is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predecermined release period, the period being at least one hour, and in amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Length: 28 February 4, 2005 13:20 Type: P Check: 701
; 'seq4' (mohámed337.key)
 . match found in sequence:
ad166212 ; Exendin agonist peptide, SEQ ID No 92.
 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 92; 173pp; English
 Exendin agonist peptide, SEQ ID No 92.
 Location/Qualifiers
 check: 649 from: 1
 ADL66212 standard; peptide; 28 AA.
 HGEGTFSTDLSKQMEBEAVRLFIEWLKN
 cardiovascular.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep"
TOIG of: ad166212
 WO2003099314-A1
 Sequence 28 AA;
 dyslipidaemia;
 Modified-site
 Found using 'seq4'
 04-DEC-2003
 Synthetic.
 ADL66211
888888888
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 tof the predetermined release period. The composition has antidiabetic, of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gaetric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; ancilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslippidaemia; cardiovascular.
 Type: P Check: 649
 l match found in sequence:
ad166213; Exendin agonist peptide, SEQ ID No 93.
(from "seq4ags.pep")
TOIG of: ad166213 check: 381 from: 1 to: 28
 /note= "C-terminal amide"
 ADL66212 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 93; 173pp; English
 note= "Pentylglycine"
 Exendin agonist peptide, SEQ ID No 93.
 Location/Qualifiers
 ADL66213 standard; peptide; 28 AA
 HGEGTFTSELSKOMAEEAVRLFIEWLKN
 28-MAY-2002, 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Sequence 28 AA;
 Modified-site
 Modified-site
 04-DEC-2003.
 Synthetic.
 ADL66213;
ХS
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount sustained plasma level of at least 5 pg/ml is achieved for at least of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, inhibiting food intake, such as impaired glucose tolerance, obesity,
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
ADL66213 Length: 28 February 4, 2005 13:20 Type: P Check: 381 ound using 'seq4' (mohamed337.key)
 1 match found in sequence:
adl66214 ; Exendin agonist peptide, SEQ ID No 94.
(from "seq4ags.pep")
TOIG OF: adl66214 check: 657 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 94; 173pp; English.
 /note= "Naphthylalanine"
 Exendin agonist peptide, SEQ ID No 94.
 Location/Qualifiers
 ADL66214 standard; peptide; 28 AA
 HGEGTFTSDXSKQLEEEAVRLFIEFLKN
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Found using 'seq4'
 Key
Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66214;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 /note= "Tertiary-butylglycine"
 1 match found in sequence:
ad166215 ; Exendin agonist peptide, SEQ ID No 95.
 to: 28
 "C-terminal amide"
 Disclosure; SEQ ID NO 95; 173pp; English
 Exendin agonist peptide, SEQ ID No 95.
 (from "seq4ags.pep")
TOIG of: ad166215 check: 1045 from: 1
 Location/Qualifiers
 ADL66215 standard; peptide; 28 AA.
|-------|
HGEGTFTSDLSKQLEEEAVRLXIEFLKN
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 /note=
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66215;
```

ADL66215 Length: 28 February 4, 2005 13:20 Type: P Check: 1045 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMBEBAVRLFXEWLKN 1

ADL66214 Length: 28 February 4, 2005 13:20 Type: P Check: 657 Found using 'seq4' (mohamed337.key)

to: 33

from: 1

ADL66217 standard; peptide; 33 AA.

Exendin agonist peptide, SEQ ID No 97.

20-MAY-2004 (first entry)

ADL66217;

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers

Synthetic.

```
exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
TOIG of: ad166217 check: 2215
 Key
Modified-site
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 2005 13:20 Type: P Check: 237
 l match found in sequence:
adl66216; Exendin agonist peptide, SEQ ID No 96.
(from "seq4ags.pep")
TOIG of: adl66216 check: 237 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 96; 173pp; English.
 Exendin agonist peptide, SEQ ID No 96.
 Location/Qualifiers
28
 ADL66216 standard; peptide; 28 AA
 ADL66216 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66216;
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formulation is capable of releasing the peptide over a predetermined formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anoractic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 invention relates to a novel pharmaceutical composition comprising an
Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 ADL66217 Length: 33 February 4, 2005 13:20 Type: P Check: 2215 Found using 'seq4' (mohamed337.key)
 i match found in sequence:
adl66218 ; Exendin agonist peptide, SEQ ID No 98.
(from "seq4ags.pep")
TOIG of: adl66218 check: 2649 from: 1 to: 29
 Disclosure; SEQ ID NO 97; 173pp; English.
 HGEGTFTSDASKOLEEEAVRLFIEFLKNGGPSS
 ADL66218 standard; peptide; 29 AA
 Sequence 33 AA;
 ADL66218;
 SXR
```

1 match found in sequence:
adl66217 ; Exendin agonist peptide, SEQ ID No 97.
(from "seq4ags.pep")

HGEGTFTSDLSKQLEEEAVRLFIDFLKN

```
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 /note= "C-terminal amide"
 36. .37
/note= "Homoproline"
 /note= "Homoproline"
 Location/Qualifiers
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166221
 WO2003099314-A1
 Sequence 37 AA
 Key
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic
 ADL66221;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The movel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66218 Length: 29 February 4, 2005 13:20 Type: P Check: 2649 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention.
 match found in sequence:
ad166219 ; Exendin agonist peptide, SEQ ID No 99.
 37
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 98; 173pp; English
 Exendin agonist peptide, SEQ ID No 98.
 Exendin agonist peptide, SEQ ID No 99.
 from: 1
 Location/Qualifiers
29
 ADL66219 standard; peptide; 37 AA.
 |-----HGEGTFTSDASKQMEEEAVRLFIEWLKNG
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 4015
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 29 AA;
 "seq4ags.pep"
of: adl66219
 Key
Modified-site
 20-MAY-2004
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
```

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66219 Length: 37 February 4, 2005 13:20 Type: P Check: 4015 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166221 ; Exendin agonist peptide, SEQ ID No 101.
 Disclosure, SEQ ID NO 99; 173pp; English.
 |-----|
HGEGTFTSDASKQMEBEAVRLFIEWLKNGGXSSGAXX
 Exendin agonist peptide, SEQ ID No 101
 check: 249 from: 1
 ADL66221 standard; peptide; 28 AA
28-MAY-2003; 2003WO-US016699.
```

ADL66219

XEXEXEX

(from '

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardlovascular.
 February 4, 2005 13:20 Type: P Check: 249
 adi66225; Exendin agonist peptide, SEQ ID No 105 (from "seq4ags.pep")
TOIG of: ad166225 check: 688 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 101; 173pp; English.
 Exendin agonist peptide, SEQ ID No 105.
 Location/Qualifiers
28
 ADL66225 standard; peptide; 28 AA.
 HGAGTFTSDLSKQLEEEAVRLFIEFLKN
1
 ADL66221 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 match found in sequence:
 WO2003099314-A1
 Sequence 28 AA;
 Modified-site
 04-DEC-2003
 Synthetic
 Synthetic
 ADL66225;
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8XXXXXXXXXXXXXXXXX

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66225 Length: 28 February 4, 2005 13:20 Type: P Check: 688
Found using 'seq4' (mohamed337.key)
 ad166228 ; Exendin agonist peptide, SEQ ID No 108
 to: 28
 Disclosure; SEQ ID NO 105; 173pp; English.
 /note= "C-terminal amide"
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 108.
Location/Qualifiers
28
 Location/Qualifiers
 from: 1
 Ź
 ADL66228 standard; peptide; 28
 HGAGTFTSDLSKQMEEEAVRLFIEWLKN
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 check: 590
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 1 match found in sequence
 (from "seq4ags.pep")
TOIG of: ad166228 c
 Sequence 28 AA;
 WO2003099314-A1
 Key
Modified-site
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66228;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predecermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predecermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
 exendin; extended-release formulation; plasma level; antidiabetic;
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66228 Length: 28 February 4, 2005 13:20 Type: P Check: 590 ound using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166288 : Exendin agonist peptide, SEQ ID No 168.
(from "seq488.pep")
(TOIG of: ad166288 check: 5882 from: 1 to: 38
 38
/note= "C-terminal amide"
 Disclosure; SEQ ID NO 108; 173pp; English
 Exendin agonist peptide, SEQ ID No 168
 Location/Qualifiers
 ADL66288 standard; peptide; 38 AA
 HGEGTFTSDASKQMEEBAVRLFIEWLKN
1
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
WO2003099314-A1
 Sequence 28 AA;
 Found using 'seg4'
 Modified-site
 04-DEC-2003
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66288;
 HXBXBXLLHX8XEMEXEXHXLXXXBX
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; Type: P Check: 5882 . match found in sequence: ad166293; Exendin agonist peptide, SEQ ID No 173. (from "seq4ags.pep") TOIG of: ad166293 check: 7002 from: 1 to: 35 Disclosure; SEQ ID NO 168; 173pp; English. ADL66288 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key) /note= "C-terminal amide" HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPP Exendin agonist peptide, SEQ ID No 173. Location/Qualifiers ADL66293 standard; peptide; 35 dyslipidaemia; cardiovascular 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224. 20-MAY-2004 (first entry) (AMYL-) AMYLIN PHARM INC. (AMYL-) AMYLIN PHARM INC. Young AA, Kolterman OG; WPI; 2004-042706/04. WO2003099314-A1 Sequence 38 AA; Key Modified-site 04-DEC-2003. Synthetic. ADL66293; 

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Pharmaceutical composition for treating diabetes, impaired glucose
 ADL66293 Length: 35 February 4, 2005 13:20 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention.
 1 match found in sequence:

diffector 27 Exendin agoniet peptide, SEQ ID No 177.

(from "seq4ags.pep")

TOIG of: adl66297 check: 9574 from: 1 to: 32
 SEQ ID NO 173; 173pp; English
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 177.
 HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA
 Location/Qualifiers
 ADL66297 standard; peptide; 32 AA
 dyslipidaemia; cardiovascular.
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WPI; 2004-042706/04.
 Sequence 35 AA;
 WO2003099314-A1
 Key
Modified-site
 Disclosure;
 20-MAY-2004
 04-DEC-2003.
 Young AA,
 Synthetic
 ADL66297;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66297 Length: 32 February 4, 2005 13:20 Type: P Check: 9574 Found using 'seq4' (mohamed337.key)
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 l match found in sequence:
ad166301; Exendin agonist peptide, SEQ ID No 181.
(from "seq4agas.pep")
(TOIG of: ad166301 check: 7457 from: 1 to: 38
 Disclosure; SEQ ID NO 177; 173pp; English.
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 181
 /note= "Thioproline"
 /note= "Thioproline"
 Location/Qualifiers
 HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
 ADL66301 standard; peptide; 38 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 32 AA;
 Key
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66301;
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 invention relates to a novel pharmaceutical composition comprising an
an exendin agonist peptide in an extended-release formulation
 exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Check: 7457
 Type: P
 ad166305; Exendin agonist peptide, SEQ ID No 185.
(from "seq4ags.pep")
TOIG of: ad166305 check: 7441 from: 1 to: 35
 35
/note= "C-terminal amide"
 Disclosure; SEQ ID NO 181; 173pp; English.
 2005 13:20
 HGAGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXXX
1
 Exendin agonist peptide, SEQ ID No 185.
 Location/Qualifiers
 ADL66305 standard; peptide; 35'AA
 ADL66301 Length: 38 February 4, Found using 'seq4' (mohamed337.key)
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 match found in sequence:
 WO2003099314-A1
 Sequence 38 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 or
 Synthetic.
 ADL66305;
 exendin
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ancetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Harvesting a desired polypeptide produced by a recombinant host cell, for producing pharmaceuticals, comprises selecting a recombinant nucleic acid comprising nucleic acid fragments encoding a leader peptide and the
 /note= "This residue forms a thioether bond with residue 32 to form a lanthionine ring"
 /note= "This residue forms a thioether bond with residue 35 to form a lanthionine ring"
 The invention relates to a novel method for harvesting a (poly) peptide
 harvesting; recombinant; host cell; N-terminal leader peptide; pre-peptide; lantibiotic; post-translational modification; pharmaceuticals; vaccine; immunogenic.
 ADL66305 Length: 35 February 4, 2005 13:20 Type: P Check: 7441 Found using 'seq4' (mohamed337.key)
 Driessen AJM;
 39
 t0:
 Kuipers OP,
 HGAGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
 check: 9661 from: 1
 Location/Qualifiers
 ADL92031 standard; peptide; 39 AA
 Claim 4; Page 49; 109pp; English
 (NANO-) APPLIED NANOSYSTEMS BV
 . match found in sequence:
ad192031; Exendin-3 C35-sequence.
(from "seq4ags.pep")
(TOG of: ad192031 check: 9661 f
 24-MAY-2002; 2002EP-00077060.
07-FEB-2003; 2003US-00360101.
 26-MAY-2003; 2003WO-NL000389
 20-MAY-2004 (first entry)
 Moll GN, Leenhouts CJ,
 Exendin-3 C35-sequence
 WPI; 2004-042770/04.
 WO2003099862-A1.
 Sequence 35 AA;
 Key
Modified-site
 Modified-site
 Unidentified
 04-DEC-2003.
 comprising polypeptide
 ADL92031;
 8888888888888888
```

an

The invention relates to a novel pharmaceutical composition comprising

Disclosure; SEQ ID NO 185; 173pp; English

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

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produced by a recombinant host cell. The novel method involves selecting a call comprising a first nucleic acid encoding a leader peptide and a second nucleic acid fragment encoding the desired (poly)peptide. The first and second fragments are within the same open reading frame of the first nucleic acid and the leader peptide is functionally equivalent to an N-terminal leader peptide found with the pre-peptide of a lantibiotic. The host cells and nucleic acids are useful for producing, harvesting and post-translational modification of polypeptides. The polypeptides may be immunogenic composition. This sequence represents a polypeptide relating to the novel method of the invention.
 8888888888888888
```

Sequence 39 AA;

ADL92031 Length: 39 Pebruary 4, 2005 13:20 Type: P Check: 9661 Found using 'seq4' (mohamed337.key) HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGCPPPS

to: 64 check: 7609 from: 1 1 match found in sequence:
ad192153 ; Exendin-4 protein sequence.
(from "seq4ags.pep")
TOIG of: ad192153 check: 7609 from:

ADL92153 standard; protein; 64 AA ADL92153;

Exendin-4 protein sequence. (first entry) 20-MAY-2004 

harvesting; recombinant; host cell; N-terminal leader peptide; pre-peptide; lantibiotic; post-translational modification; pharmaceuticals; vaccine; immunogenic.

Unidentified

WO2003099862-A1

04-DEC-2003

26-MAY-2003; 2003WO-NL000389.

24-MAY-2002; 2002EP-00077060. 07-FEB-2003; 2003US-00360101.

(NANO-) APPLIED NANOSYSTEMS BV

Kuipers OP, Leenhouts CJ, Moll GN,

Driessen AJM; WPI; 2004-042770/04. Harvesting a desired polypeptide produced by a recombinant host cell, for producing pharmaceuticals, comprises selecting a recombinant nucleic acid comprising nucleic acid fragments encoding a leader peptide and the polypeptide.

Claim 4; Page 68; 109pp; English.

The invention relates to a novel method for harvesting a (poly)peptide produced by a recombinant host cell. The novel method involves selecting a cell comprising a first nucleic acid encoding a leader peptide and a second nucleic acid fragment encoding the desired (poly)peptide. The first and second fragments are within the same open reading frame of the first nucleic acid and the leader peptide is functionally equivalent to an N-terminal leader peptide found with the pre-peptide of a lantibiotic. The host cells and nucleic acids are useful for producing, harvesting and post-translational modification of polypeptides. The polypeptides may be used in the production of pharmaceuticals, e.g. as antigen for vaccine or

```
immunogenic composition. This sequence represents a polypeptide relating to the novel method of the invention.
 88333
```

Sequence 64 AA;

ADL92153 Length: 64 February 4, 2005 13:20 Type: P Check: 7609 Found using 'seq4' (mohamed337.key)

MPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP

61

1 match found in sequence:
 adm41356 ; Extendin 4, glucagon-like peptide 1 receptor agonist (antidiabetic)
 (from "seq4ags.pep")
 TOIG of: adm41356 check: 9570 from: 1 to: 39

ADM41356 standard; peptide; 39 AA.

ADM41356;

(first entry) 03-JUN-2004

Glucagon-like peptide 1; GLP-1; human; receptor; agonist; antidiabetic; immunosuppressive; anorectic; antiarteriosclerotic; hypotensive; antilipaemic; extendin-4. Extendin 4, glucagon-like peptide 1 receptor agonist (antidiabetic).

Homo sapiens

/note= "C-terminal amide" Location/Qualifiers 39 Key Modified-site

WO2004022004-A2

18-MAR-2004.

04-SEP-2003; 2003WO-US028093

06-SEP-2002; 2002US-0408696P.

(FARB ) BAYER PHARM CORP.

Pan C, Whelan JP;

WPI; 2004-282764/26.

Novel glucagon-like peptide-1 receptor agonist or modified GLP-1 receptor agonist, useful for treating diabetes, impaired glucose tolerance, metabolic syndrome or pre-diabetic state. 

Example 1, SEQ ID NO 3; 56pp; English.

The present sequence is that of extendin 4, an example of a glucagon-like peptide 1 (GLP-1) receptor agonist. Modified GLP-1 receptor agonists of the invention comprise a GLP-1 receptor agonist such as the present peptide linked to a polyethylen glycol polymer having a molecular weight of greater than 30 kDa. The modified GLP-1 receptor agonists are useful for treating type 1 diabetes, type 2 diabetes, maturity onset diabetes of the young, latent autoimmune diabetes adult, gestational diabetes and Syndrome X (all claimed). They can also be used to treat hyperglycaemia, impaired glucose tolerance, impaired fasting glucose and obesity caused by inducing glucose-dependent insulin secretion. They may also be effective in the treatment of obesity, atherosclerotic disease, hyperlipidaemia, hyperrholesterolaemia, low high density lipoprotein levels, hypertension, cardiovascular disease (including atherosclerosis, coronary heart disease and hypertension), cerebrovascular disease,

peripheral vessel disease, physiological disorders and the secondary causes of diabetes. The modified GLP-1 receptor agonists can be prepared by synthetic or recombinant methods. They induce glucose-dependent insulin secretion without reducing gastrointestinal motility, thereby lessening the gastrointestinal side-effects associated with previous GLP-1 receptor agonists. 8\$\$\$\$\$\$\$\$\$\$

Sequence 39 AA;

ADM41356 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 ound using 'seq4' (mohamed337.key) Found using 'seq4'

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence:
admil384 ; Exendin-4, glucagon-like peptide 1 receptor agonist (antidiabetic)
(from "seq4ags.pep")
TOIG of: admil384 check: 2250 from: 1 to: 40

ADM41384 standard; peptide; 40 AA

ADM41384;

(first entry) 03-JUN-2004

Exendin-4, glucagon-like peptide 1 receptor agonist (antidiabetic)

Glucagon-like peptide 1; GLP-1; human; receptor; agonist; antidiabetic; immunosuppressive; anorectic; antiarteriosclerotic; hypotensive; antilipaemic; excendin-4.

Homo sapiens

Location/Qualifiers Modified-site

/note= "PEGylated amino acid residue"

WO2004022004-A2

18-MAR-2004

04-SEP-2003; 2003WO-US028093.

06-SEP-2002; 2002US-0408696P. 09-JAN-2003; 2003US-0439369P.

(FARB ) BAYER PHARM CORP.

Whelan JP; Pan C, WPI; 2004-282764/26.

Novel glucagon-like peptide-1 receptor agonist or modified GLP-1 receptor agonist, useful for treating diabetes, impaired glucose tolerance, metabolic syndrome or pre-diabetic state. Claim 1; SEQ ID NO 31; 56pp; English.

The present sequence is that of an exendin-4 peptide modified to include a PEGylated C-terminal Cys residue. This is an example of a modified glucagon-like peptide I (GLP-1) receptor agonist of the invention comprising a GLP-1 receptor agonist peptide linked to a polyethylene glycol (PEG) polymer having a molecular weight of greater than 30 kDa. Modified GLP-1 receptor agonist are useful for treating type 1 diabetes, type 2 diabetes, maturity onset diabetes of the young, latent autoimmune diabetes adult, gestational diabetes and Syndrome X (all claimed). They can also be used to treat hyperglycaemia, impaired glucose tolerance, impaired fasting glucose and obesity caused by inducing glucose-dependent insulin secretion. They may also be effective in the treatment of obesity, atherosclerotic disease, hyperlipidaemia, hypercholesterolaemia, 

cardiovascular disease low high density lipoprotein levels, hypertension, cardiovascular disea (including atherosclerosis, coronary heart disease and hypertension), cerebrovascular disease, peripheral vessel disease, physiological disorders and the secondary causes of diabetes. The modified GIP-1 receptor agonists can be prepared by synthetic or recombinant methods. They induce glucose-dependent insulin secretion without reducing gastrointestinal motility, thereby lessening the gastrointestinal side-effects associated with previous GIP-1 receptor agonists. 888888888

Sequence 40 AA;

Type: P Check: 2250 ADM41384 Length: 40 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSC

adn16852 ; Fermentation-derived product exendin-4 analogue ZP10 peptide. to: 44 (from "seq4ags.pep") TOIG of: adn16852 check: 5122 from: 1 match found in sequence:

ADN16852 standard; peptide; 44 AA

ADN16852;

01-JUL-2004 (first entry)

Fermentation-derived product exendin-4 analogue ZP10 peptide.

fermentation-derived product; microfiltration; fermentation broth; exendin-4 analogue; ZP10 peptide.

Unidentified

/note= "C-terminal amide" Location/Qualifiers Key Misc-difference

WO2004029076-A2

08-APR-2004.

25-SEP-2003; 2003WO-DK000627 

25-SEP-2002; 2002DK-00001422

(NOVO ) NOVO NORDISK AS.

Nielsen TK; Christensen LH,

WPI; 2004-375439/35.

Purifying fermentation-derived product such as interleukins, insulin, albumin, involves microfiltration of fermentation broth containing fermentation-derived product at specific microfiltration temperature and isolating final product

Claim 25; Page 17; 20pp; English.

This invention relates to a novel method of purifying a fermentation-derived product, which involves microfiltration of a fermentation broth containing the fermentation-derived product at a microfiltration temperature within the range from 66-90 degrees C and isolating the final product. The method of the invention is efficient in purifying a fermentation-derived product with an improved microfiltration process comprising elevated temperatures. The present sequence is that of an exendin-4 analogue ZP10 peptide which is a fermentation-derived product to which the method of the invention may be applied.

Sequence 44 AA;

to: 39

from: 1

TOIG of: ado58913 check: 9570

:

44 February 4, 2005 13:20 Type: P Check: 5122 (mohamed337.key)

ADN16852 Length: 44 Found using 'seq4' (mc

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This invention relates to a novel method of preventing and/or delaying diabetes in a subject in need, which involves administering to the subject an effective amount of a compound that increases beta-cell proliferation and/or reduces beta-cell apoptosis in the subject. The invention may be useful for the production of compounds with an antidiabetic or immunosuppressive activity by increasing expression of protein kinase (Aktl and/or p44MAPK) in the beta-cells and decreasing caspase-3 activation. The method is useful for preventing and/or delaying diabetes in a subject. The present sequence is that of a human exendin-4 peptide which is related to the method of the invention.
 liabetes; beta-cell proliferation; beta-cell apoptosis; antidiabetic;
 Preventing and/or delaying diabetes in a subject in need, involves administering to subject a compound that increases beta-cell proliferation and/or reduces beta cell apoptosis in subject.
 . match found in sequence:
ado55979 ; Human exendin-4 peptide related to diabetes treatment.
 Human exendin-4 peptide related to diabetes treatment
 Type: P
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPSKKKKK
 to: 39
 ADO55979 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 |-----|
HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
 Disclosure; SEQ ID NO 2; 43pp; English.
 check: 9570 from: 1
 ADO55979 standard; peptide; 39 AA
 21-JUN-2002; 2002CA-02389462
 21-JUN-2002; 2002US-0011111
 15-JUL-2004 (first entry)
 1 match found in sequence:
ado58913 ; Extendin-4 peptide.
(from "seq4ags.pep")
 Brubaker PL;
 (WANG/) WANG Q Q.
(BRUB/) BRUBAKER P L.
 WPI; 2004-099536/11.
 (from "seq4ags.pep")
 Sequence 39 AA;
 Homo sapiens.
 CA2389462-A1
 21-DEC-2003
 diabetes;
 ADO55979;
 Wang 00,
 human.
```

```
The invention relates to a method of ameliorating a neurological disorder is in a subject, which comprises administering a therapeutical amount of a dilatide peptide or its functional analogue, where the administration of the Gilatide peptide or its functional analogue, where the administration of the Gilatide peptide or its functional analogue inhibits or delays the conset of the neurological disorder. Also described is the Gilatide of an encoding nucleic acid. The methods, composition, the nucleic acid and the encoded peptide are useful in preventing or delaying the conset of a memory disorder and in treating a neurological disorder, i.e. a neurodegenerative disorder, e.g. seizures, strokes, brain ischaemia or epilepsy. Other diseases include Parkinson's disease, Alaheimer's disease, Huntington's disease or ALS. The peptides are also useful in modulating blood glucose and in preventing and treating glucose.

The metabolism disorders, e.g., obesity, diabetes, anorexia nervosa, chromismia or atherosclerosis. The present sequence represents an extendin-4 peptide used as a Gilatide peptide of the invention.
 match found in sequence: adp20188; Gilla monster lizard venom isolated 39 amino acid exendin-4 peptide. (from "seq4ags.pep")
TOIG of: adp201988 check: 9570 from: 1 to: 39
 neurodegenerative disorder; seizures; stroke; brain ischaemia; epilepsy; barkinson's disease; Albaimer's disease; Huntington's disease; ALS; blood glucose; glucose-metabolism disorder; obesity; diabetes; anorexia nervosa; hypercholesterolaemia; atherosclerosis; extendin-4.
 Ameliorating a neurological disorder, e.g. stroke, Parkinson's disease, Alzheimer's disease or Huntington's disease, comprises administering Gilatide peptide.
 4, 2005 13:20 Type: P Check: 9570
 neurological disorder; Gilatide peptide; memory disorder;
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 Disclosure; Page 12; 67pp; English.
ADOS8913 standard; peptide; 39 AA
 ADO58913 Length: 39 February 4, Found using 'seq4' (mohamed337.key)
 (UYJE-) UNIV JEFFERSON THOMAS.
 ä
 24-AUG-2001; 2001US-00939472.
01-APR-2002; 2002US-0369249P.
 24-AUG-2000; 2000US-0227631P.
 01-APR-2003; 2003US-00405090.
 29-JUL-2004 (first entry)
 Haile CN,
 WPI; 2004-374977/35.
 Extendin-4 peptide.
 US2004092432-A1.
 Sequence 39 AA;
 13-MAY-2004.
 MJ,
 Synthetic
 ADO58913;
 During
```

ADP20988 standard; peptide; 39 AA.

品菜

Check: 9570

ADP20988;

Treating or preventing diabetes or diabetes-related disease by administering exendin-4 compound and thiazolidinedione insulin sensitizer diabetes; exendin-4; thiazolidinedione; insulin sensitizer; antidiabetic; maturity onset; polycystic ovarian syndrome; gestational; obesity; dyslipidaemia; hyperlipidaemia; hypertriglyceridaemia; hypercholesterolaemia; hypertension; arteriosclerosis, atheriosclerosis atheriosclerosis, background retinopathy; proliferative retinopathy; diabetic nephropathy; neuropathy; beta-cell; venom; Gila monster lizard; immunosuppressive; cytostatic; anorectic; antilipaemic; hypotensive; antiarteriosclerotic; ophthalmological; nephrotropic; neuroprotective; type 1 dlabetes; type 2; hyperglycaemia; latent autoimmune; Gila monster lizard venom isolated 39 amino acid exendin-4 peptide. Claim 7; SEQ ID NO 1; 31pp; English 01-DEC-2003; 2003WO-DK000824. 03-DEC-2002; 2002DK-00001864. 09-DEC-2002; 2002US-0431999P. (first entry) (NOVO ) NOVO NORDISK AS GLP-1 receptor agonist. WPI; 2004-480530/45. Heloderma suspectum WO2004050115-A2. 09-SEP-2004 17-JUN-2004 Knudsen LB; to patient. 

The invention relates to a novel method for treating or preventing chiabetes or a diabetes-related disease, which involves administering an exendin-4 compound and thiazolidinedione insulin sensitizer to the exendin-4 compound in further comprises the use of exendin-4 compound and thiazolidinedione insulin sensitizer for the preparation of one or more medicaments for carrying out the method; and a pharmaceutical compositions and method have the following activities: preservative. The compositions and method have the following activities: antidiabetic, immunosuppressive, cytostatic, anorectic, antilipaemic, compositions and method have the following activities: antidiabetic, immunosuppressive, cytostatic, anorectic, antilipaemic, compositions and method have the following activities: antidiabetic, immunosuppressive, cytostatic, anorectic, antilipaemic, compositions and method and the photostopic, and chabetes related disease chosen from type I diabetes, type 2 consect diabetes related disease chosen from type I diabetes, type 2 consect diabetes, polycystic ovarian syndrome, gestational diabetes, consect inaemia, hypercholesterolemia, hypertriglyceridaemia, artherosclerosis, cardiovascular disease, diabetic arteriosclerosis, atherosclerosis, cardiovascular disease, diabetic composation, and the insulin sensitizer is useful for the preparation of one or patient. The insulin sensitizer is useful for the preparation of one or companiant stard, Heloderma suspectum. This peptide is used to act as a monter lizard, Heloderma suspectum. This peptide is used to act as a content of the invention and application of the diabetes of the method of the invention of the diabetes of the method of the diabetes. the method of the invention Sequence 39 AA;

ADP20988 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

```
polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-3.
 1 match found in sequence:
adp48978 ; Gila monster amidated exendin-3 peptide.
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 Gila monster amidated exendin-3 peptide.
 from: 1
 ADP48978 standard; peptide; 39 AA
 (from "seq4ags.pep")
TOIG of: adp48978 check: 9591
 09-SEP-2004 (first entry)
 ADP48978;
```

/note= "C-terminal amide" Location/Qualifiers 30-JUL-2003; 2003WO-US023715. 11-DEC-2002; 2002US-00317126 14-JAN-2003; 2003WO-US001109 WO2004052390-A1 Key Modified-site 24-JUN-2004.

Heloderma suspectum

(AMYL-) AMYLIN PHARM INC.

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or syndrome (PCOS) for its agonist or analog.

Young A, Hathaway DR;

Beeley NRA, Prickett K,

WPI; 2004-468706/44.

Disclosure; SEQ ID NO 7; 65pp; English.

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type 2 diabetes in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular menses in subject suffering from PCOS; restoring regular manses in subject suffering from PCOS; restoring resultaring from PCOS; restoring factility in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS. The invention may be used in gene therapy to treat pCOS. The method is useful in treating a subject suffering from pCOS. The method is useful in treating a subject suffering from pCOS preventing the onset of type-2 diabetes; restoring regular menses. preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.

Sequence 39 AA;

ADP48978 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mchamed337.key)

## HSDGTPTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

adp48980 ; Gila monster amidated exendin-4 peptide, SEQ ID 9. ; ; from: 1 check: 9570 match found in sequence: (from "seq4ags.pep") TOIG of: adp48980 c

ADP48980 standard; peptide; 39 AA

ADP48980

(first entry) 09-SEP-2004 Gila monster amidated exendin-4 peptide, SEQ ID 9.

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4

Heloderma suspectum

Location/Qualifiers 39 Key Modified-site

/note= "C-terminal amide"

WO2004052390-A1

24-JUN-2004.

30-JUL-2003; 2003WO-US023715.

11-DEC-2002; 2002US-00317126. 14-JAN-2003; 2003WO-US001109.

(AMYL-) AMYLIN PHARM INC.

Hathaway DR; Young A, Beeley NRA, Prickett K,

WPI; 2004-468706/44.

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog

Disclosure; SEQ ID NO 9; 65pp; English

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type of a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS.

Subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS.

Preventing spontaneous abortion in a subject suffering from PCOS.

PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from provel compounds of the invention and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.

Sequence 39 AA;

ADP48980 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

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|------|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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. match found in sequence:
adp48985 ; Gila monster exendin-4 peptide (1-30)
 (from "seq4ags.pep")
TOIG of: adp48985 c
```

check: 4889

ADP48985 standard; peptide; 30 AA

ADP48985;

(first entry) 09-SEP-2004

Gila monster exendin-4 peptide (1-30).

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance;

fertility; spontaneous abortion; menses; Gila monster; exendin-4.

Heloderma suspectum.

WO2004052390-A1.

24-JUN-2004.

30-JUL-2003; 2003WO-US023715.

11-DEC-2002; 2002US-00317126. 14-JAN-2003; 2003WO-US001109.

(AMYL-) AMYLIN PHARM INC.

Young A, Hathaway DR; Beeley NRA, Prickett K,

WPI; 2004-468706/44.

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog 

Claim 1; SEQ ID NO 14; 65pp; English.

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type-2 diabetes in a subject suffering from PCOS; restoring regular menses in subject suffering from PCOS; restoring regular menses in subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS. The PCOS. The method is useful in treating a subject suffering from PCOS. The pcost overy syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses. referring regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.

Sequence 30 AA;

ADP48985 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMBEEAVRLFIEWLKNGG

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The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists on analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type 2 diabetes in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring in a subject suffering from PCOS. The conventing spontaneous abortion in a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from proving regular ovalstion and fertility or preventing spontaneous central proving regular ovalstion and fertility or preventing spontaneous contains regular menses.
 Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.
 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4.
 n the treatment of polycystic ovary syndrome of the invention
. match found in sequence:
adp48986 ; Gila monster amidated exendin-4 peptide (1-30).
(from 'seq4ae.pep")
TOIG of: adp48986 check: 4889 from: 1 to: 30
 Hathaway DR;
 Gila monster amidated exendin-4 peptide (1-30).
 /note= "C-terminal amide"
 Claim 1; SEQ ID NO 15; 65pp; English.
 Location/Qualifiers 30
 Young A,
 30 AA
 11-DEC-2002; 2002US-00317126.
14-JAN-2003; 2003WO-US001109.
 30-JUL-2003; 2003WO-US023715
 ADP48986 standard, peptide,
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Prickett K,
 WPI; 2004-468706/44.
 Heloderma suspectum
 WO2004052390-A1
 Sequence 30 AA;
 Key
Modified-site
 Beeley NRA,
 09-SEP-2004
 24-JUN-2004
 ADP48986;
 l match
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ADP48986 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 ound using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG

Found

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The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing regular menses in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring regular ovalation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
 Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.
 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance;
 ADP48987 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
match found in sequence:
adate1987; Gila monster amidated exendin-4 peptide (1-28).
(from "seq4ags.pep")
TOIG of: adp48997 check: 700 from: 1 to: 28
 Hathaway DR;
 Gila monster amidated exendin-4 peptide (1-28).
 /note= "C-terminal amide"
 Claim 1; SEQ ID NO 16; 65pp; English.
 Location/Qualifiers
 Young A,
 Ą
 fertility; spontaneous abortion; menses; Gila monster; exendin-4.
 ADP48987 standard; peptide; 28
 HGEGTFTSDLSKQMEEEAVRLFIEWLKN
 30-JUL-2003; 2003WO-US023715.
 11-DEC-2002; 2002US-00317126.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Beeley NRA, Prickett K,
 WPI; 2004-468706/44.
 Heloderma suspectum.
 WO2004052390-A1.
 Sequence 28 AA;
 Key
Modified-site
 09-SEP-2004
 24-JUN-2004.
 ADP48987;
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The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type 2 diabetes in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring fertility in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS; preventing subject suffering from PCOS. The movel compounds of the invention may be used in gene therapy to treat PCOS. The method is useful in treating a subject suffering from polycystic overy syndrome (PCOS) for reducing insulin resistance.
 Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.
 preventing the onset of type-2 diabetes; restoring regular menses, restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4; mutant; mutein.
match found in sequence:
adp48988 ; Gila moneter amidated 14-Leu, 25-Phe exendin-4 peptide.
 Gila monster amidated 14-Leu, 25-Phe exendin-4 peptide.
 Beeley NRA, Prickett K, Young A, Hathaway DR;
 to: 39
 /note= "C-terminal amide"
 Claim 1; SEQ ID NO 17; 65pp; English.
 (from "seq4ags.pep")
TOIG of: adp48988 check: 9131 from: 1
 Location/Qualifiers
 ADP48988 standard; peptide; 39 AA
 11-DEC-2002; 2002US-00317126.
14-JAN-2003; 2003WO-US001109.
 30-JUL-2003; 2003WO-US023715
 09-SEP-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Leu"
 WPI; 2004-468706/44.
 Heloderma suspectum
 Misc-difference 25
 Misc-difference
 WO2004052390-A1
 Sequence 39 AA;
 Modified-site
 24-JUN-2004
 Synthetic
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The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type-2 diabetes in a subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat polycystic ovary syndrome (PCOS) for reducing insulin resistance,
 Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.
 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4; mutant; mutein.
 'note= "The wild-type residue has been substituted by
 /note= "The wild-type residue has been substituted by
 match found in sequence:
adp48989 ; Gila monster amidated 14-Leu, 25-Phe exendin-4 (1-28) peptide.
ADP48988 Length: 39 February 4, 2005 13:20 Type: P Check: 9131 Found using 'seq4' (mohamed337.key)
 Gila monster amidated 14-Leu, 25-Phe exendin-4 (1-28) peptide.
 Young A, Hathaway DR;
 to: 28
 |-----HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Claim 1; SEQ ID NO 18; 65pp; English.
 Location/Qualifiers
 (from "seq4ags.pep")
TOIG of: adp48989 check: 261 from: 1
 ADP48989 standard; peptide; 28 AA
 30-JUL-2003; 2003WO-US023715.
 11-DEC-2002; 2002US-00317126.
14-JAN-2003; 2003WO-US001109.
 09-SEP-2004 (first entry)
 Beeley NRA, Prickett K,
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-468706/44.
 Heloderma suspectum.
 Misc-difference 25
 Misc-difference 14
 WO2004052390-A1
 Modified-site
 24-JUN-2004.
 Synthetic.
 ADP48989;
 'note= "The wild-type residue has been substituted by
 note= "The wild-type residue has been substituted by
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preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
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Sequence 28 AA;

886666

ADP48989 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKQLEEEAVRLFIEFLKN
```

1 match found in sequence:
adp48990 ; Gila monster amidated 14-Leu, 22-Ala, 25-Phe exendin-4 (1-28) pepti
(from "seq4ags.pep")
TOIG of: adp48990 check: 151 from: 1 to: 28

ADP48990 standard; peptide; 28 AA

ADP48990; 

(first entry) 09-SEP-2004

Gila monster amidated 14-Leu, 22-Ala, 25-Phe exendin-4 (1-28) peptide.

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4; mutant; mutein.

suspectum Heloderma

Synthetic.

Location/Qualifiers Key Misc-difference

'note= "The wild-type residue has been substituted by note= "The wild-type residue has been substituted by Misc-difference

'note= "The wild-type residue has been substituted by Misc-difference

/note= "C-terminal amide" Modified-site

WO2004052390-A1

24-JUN-2004

30-JUL-2003; 2003WO-US023715

11-DEC-2002; 2002US-00317126 14-JAN-2003; 2003WO-US001109

(AMYL-) AMYLIN PHARM INC

Young A, Hathaway DR; Prickett K, Beeley NRA,

WPI; 2004-468706/44.

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.

Claim 1; SEQ ID NO 19; 65pp; English.

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a

sequence given in the specification, where the subject exhibits at least one symptom of FCOS. The invention further relates to: reducing insulin resistance in a subject suffering from FCOS; preventing the onset of type 2 diabetes in a subject suffering from FCOS; preventing regular menses in subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The pcOS. The method is useful in treating a subject suffering from pcOS, preventing the onset of type-2 diabetes; restoring regular menses, prestoring regular voluation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention. 

Sequence 28 AA;

2005 13:20 Type: P Check: 151 Length: 28 February 4,
g 'seg4' (mohamed337.key) ADP48990 L Found using

```
HGEGTFTSDLSKQLEEEAVRLAIEFLKN
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;;
 adp86539 ; Exendin-3 peptide SEQ ID NO:12.
 check: 9591 from: 1
1 match found in sequence:
 (from "seq4ags.pep")
TOIG of: adp86539 c
```

33

ADP86539;

ADP86539 standard; peptide; 39 AA

23-SEP-2004 (first entry)

Exendin-3 peptide SEQ ID NO:12.

nephropathy; renal disease; ESRD; incretin, glucagon-like peptide-1; GLP-1; exendin, nephropathy, nephrotropic; antidiabetic; hypotensive; end stage renal diseas proteinuria; glomerulosclerosis; insulin resistance; diabetes;

Synthetic

hypertension

Location/Qualifiers /note= "amidated" Key Modified-site 

08-JUL-2004.

WO2004056317-A2

19-DEC-2003; 2003WO-US040713

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

BJ; Roman Mistry M, Hathaway DR, Baron AD,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 12; 50pp; English.

ö The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is

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used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities. (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of nephropathy to end stage renal disease (BSRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or alowing progression of glomeruloselerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin-3 peptide, which is given in the exemplification of the present invention.
 8X8888888888888888
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Sequence 39 AA;

Pebruary 4, 2005 13:20 Type: P Check: 9591 ADP86539 Length: 39 February 4, Found using 'seq4' (mohamed337.key)

HSDGTFTSDLSKOMEBEAVRLFIEWLKNGGPSSGAPPPS

to: 39 1 match found in sequence:
adp86541 ; Exendin-4 peptide SEQ ID NO:14.
(from "seq4ags.pep")
TOIG of: adp86541 check: 9570 from: 1

ADP86541 standard; peptide; 39 AA. ADP86541; 

23-SEP-2004 (first entry)

Exendin-4 peptide SEQ ID NO:14.

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes;

hypertension

Synthetic

Location/Qualifiers /note= "amidated" Key Modified-site

WO2004056317-A2

08-JUL-2004

19-DEC-2003; 2003WO-US040713.

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

Roman RJ; Mistry M, Hathaway DR, Baron AD,

WPI; 2004-507586/48.

manufacture Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 14; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or

proteinuria, and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of APP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin-4 peptide, which is given in the their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities. (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of nephropathy to end stage renal disease (ESRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing exemplification of the present invention 888888888888888888

Sequence 39 AA;

ADP86541 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence: adp86546; Exendin-4 analogue peptide SEQ ID NO:19. (from "seq4ags.pep") 30 :: 20 from: 1

ADP86546 standard; peptide; 30 AA check: 4889 TOIG of: adp86546

ADP86546;

23-SEP-2004 (first entry)

Exendin-4 analogue peptide SEQ ID NO:19

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension 

Synthetic

WO2004056317-A2

08-JUL-2004.

19-DEC-2003; 2003WO-US040713.

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC

3 Roman Mistry M, Hathaway DR, Baron AD,

WPI; 2004-507586/48

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy

Disclosure, SEQ ID NO 19; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (1), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (1) has nephrotropic, antidiabetic and hypotensive

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activities. (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of function and stage renal disease (SSBD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given
 in the exemplification of the present invention.
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Sequence 30 AA;

ADP86546 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

adp86547 ; Exendin-4 analogue peptide SEQ ID NO:20. check: 4889 from: 1 match found in sequence: (from "seq4ags.pep") TOIG of: adp86547 c

ADP86547 standard; peptide; 30 AA

23-SEP-2004 (first entry)

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension.

Exendin-4 analogue peptide SEQ ID NO:20.

Synthetic

Location/Qualifiers /note= "amidated" Key Modified-site

WO2004056317-A2

08-JUL-2004

19-DEC-2003; 2003WO-US040713

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC

Roman RJ; Mistry M, Baron AD, Hathaway DR,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 20; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment

prevention or treatment of negative preventing progression of mephropathy to end stage renal disease (ESRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomeruloscierosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by faciliteting glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities. (I) can be used in the manufacture of a medicament for the in the exemplification of the present invention.

Sequence 30 AA;

ADP86547 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEBAVRLFIEWLKNGG

adp86548 ; Exendin-4 analogue peptide SEQ ID NO:21. to: 28 check: 700 from: 1 1 match found in sequence: (from "seq4ags.pep") TOIG of: adp86548 c

ADP86548;

ADP86548 standard; peptide; 28 AA

23-SEP-2004 (first entry)

Exendin-4 analogue peptide SEQ ID NO:21.

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes;

hypertension

Synthetic

Location/Qualifiers Key Modified-site

/note= "amidated"

WO2004056317-A2

19-DEC-2003; 2003WO-US040713

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

Roman RJ; Mistry M, Baron AD, Hathaway DR,

WPI; '2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 21; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is

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of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities. (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of nephropathy to end stage renal disease (BSRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothalial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the compound of the center of the control of the cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes;
  used in the manufacture of a medicament for the prevention or treatment
                                                                                                                                                                                                                                                                                                                                                                          ADP86548 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                            in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
adp86549 ; Exendin-4 analogue peptide SEQ ID NO:22.
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TOIG of: adp86549 check: 9131 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADP86549 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKQMEEEAVRLFIEWLKN
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17-DEC-2003; 2003US-00740146.
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                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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Modified-site
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prevention or treatment of negative and a measurement of the prevention or treatment of negative and preventing progression of nephropathy to end stage renal disease (ESRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose exidation; including that by endothelial cells in the kidney and by other cells, rather by exidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces exidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiaberic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension.
their agonist, analogue, derivative or variant or fragment (I), that is
                used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities. (I) can be used in the manufacture of a medicament for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes an incretin, a glucagon-like peptide-1
                                                                                                                                                                                                                                                                                                                                                                                      2005 13:20 Type: P Check: 9131
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adp86550; Exendin-4 analogue peptide SEQ ID NO:23.
(from "seq4ags.pep")
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADP86550 standard; peptide; 28 AA
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17-DEC-2003; 2003US-00740146.
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                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
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Modified-site
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88888888888888888888888888888888888
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their agonist, analogue, derivative or variant or fragment (1), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (1) has nephrotropic, antidiabetic and hypotensive activities. (1) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of prevention or treatment of nephropathy; preventing progression of prevention or treatment of nephropathy; preventing progression of proteinuria, and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of fee fatty acids, and so leads to an enhanced production of Arp for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the exemplification of the present invention. \$

Sequence 28 AA;

ADP86550 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLF1EFLKN 28

adp86551 ; Exendin-4 analogue peptide SEQ ID NO:24. ; ; from: 1 check: 151 1 match found in sequence n "seq4ags.pep") of: adp86551 c rom Lo

ADP86551;

ADP86551 standard; peptide; 28 AA.

(first entry) 23-SEP-2004 Exendin-4 analogue peptide SEQ ID NO:24.

incretin, glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Synthetic

Location/Qualifiers /note= "amidated" Modified-site

WO2004056317-A2.

08-JUL-2004

19-DEC-2003; 2003WO-US040713

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

Mistry M, Roman RJ; Baron AD, Hathaway DR,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 24; SOpp; English

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive of antidiabetic and hypotensive of antidiabetic and hypotensive of antidiabetic and hypotensive prevention or treatment of nephropathy; preventing progression of prevention or treatment of reduced vasodilatory capacity; reducing proteinuria, and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidation; estress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given the exemplification of the present invention. 8\$888888888888888888888888

Sequence 28 AA;

ADP86551 Length: 28 February 4, 2005 13:20 Type: P Check: 151 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLAIEFLKN

to: 39 adq28641 ; Exendin-3, useful as antiarrhythmic.
(from "seq4ags.pep") from: 1 check: 9591 match found in sequence: TOIG of: adq28641

ADQ28641 standard; peptide; 39 AA

ADQ28641;

(first entry) 23-SEP-2004 Exendin-3, useful as antiarrhythmic.

Exendin-3; antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma horridum

/note= "C-terminal amide" Location/Qualifiers 39 Modified-site

WO2004056313-A2

08-JUL-2004.

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

Hathaway DR, Baron AD;

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 12; 49pp; English.

The present sequence is that of the exendin-3 peptide of Heloderma harridum. This is a glucose-dependent insulinotropic peptide that

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compounds or their broade uptake without inducing dangerous hyperglycaemia. The present invention provides methods and compositions cor for preventing and treating cardiac arrhythmias. The compositions comprise extendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) levels substantially more than can be accomplished with insulin. High FFA levels been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac incremican cardi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AD028641 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence: adq28643 ; Exendin-\frac{1}{4}, useful as antiarrhythmic.
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39
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19-DEC-2002; 2002US-0434888P
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TOIG of: adq28643
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Modified-site
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cardiac arriptthmias. The compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, an aloque, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulincropic action, and thereby reduce plasma free fatty acid (FFA) levels substantially more than can be accomplished with insulin. High FFA levels substantially more than can be accomplished with insulin. High FFA levels substantially more than can be accomplished with insulin. High FFA levels substantially more than can be accomplished with injection following an ischemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary sent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, reperfusion and congestive heart failure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.
a glucose-dependent insulinotropic peptide that enhances peripheral glucose uptake without inducing dangerous hyperglycaemia. The present invention provides methods and compositions for preventing and treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is that of exendin-4 (1-30) peptide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin-4 (1-30); antiarrhythmic; cardiovascular-gen.; vasotropic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADQ28643 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . match found in sequence:
adq2848 ; Exendin-4 (1-30) peptide, useful as antiarxhythmic.
(from "seq4ags.pep")
TOIG of: adq28648 check: 4889 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin-4 (1-30) peptide, useful as antiarrhythmic.
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19-DEC-2002; 2002US-0434888P.
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       CCCCXBXBXBXBXBXBXBXBXBXBXBXBXBXBXBXBXCCCC
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to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) levels substantially more than can be accomplished with insulin. High FPA levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia,
compound that binds
                                                                                                                                                                                                                                                                                                                                                                                                                                                            cardiac ischaemia-reperfusion and congestive heart failure
      GLP-1, an incretin, a
   exendin,
   compositions comprise
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Sequence 30 AA;

ADQ28648 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

1 match found in sequence: adg28649; Exendin-4 (1-30) amide, useful as antiarrhythmic. (from "seq4ags.ppp") TOIG of: adg28649 check: 4889 from: 1 to: 30

ADQ28649 standard; peptide; 30 AA (first entry) 23-SEP-2004 ADQ28649;

Exendin-4 (1-30) amide, useful as antiarrhythmic.

Exendin-4 (1-30); antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma suspectum

/note= "C-terminal amide" Location/Qualifiers 30 Modified-site

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08-JUL-2004

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P.

(AMYL-) AMYLIN PHARM INC

Baron AD; Hathaway DR,

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 20; 49pp; English.

The present sequence is that of exendin-4 (1-30) amide derived from Heloderma suspectum exendin-4 hDQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The

to a receptor for GBP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) evels substantially more than can be accomplished with insulin. High FFA levels substantially more than can be accomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial ischaemic event or a cardiac intervention such as angioplasty, coronary ischaemic event or a cardiac intervention such as angioplasty, coronary by pass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, a compound that binds

88888888888888888888888888888888888

Sequence 30 AA;

ADQ28649 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

ADQ28650;

A

ADQ28650 standard; peptide; 28

23-SEP-2004 (first entry)

Exendin-4 (1-28) amide, useful as antiarrhythmic.

Exendin-4 (1-28); antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma suspectum.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2004056313-A2

08-JUL-2004.

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

Baron AD;

DR,

Hathaway

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure, SEQ ID NO 21; 49pp; English.

The present sequence is that of exendin-4 (1-28) amide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The

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compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FRA) levels subsentially more than can be accomplished with insulin. High FRA levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary is schaemic event or a literacoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, reperfusion and congestive heart failure.
          $$$$$$$$$$$$$$$$$$$$$$$$
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Sequence 28 AA;

ADQ28650 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKN

1 match found in sequence: add28651 ; 14beu,25phe exendin-4 amide, useful as antiarrhythmic. to: 39 from: 1 check: 9131 (from "seq4ags.pep") TOIG of: adq28651 c

ADQ28651 standard; peptide; 39 AA (first entry) 23-SEP-2004 ADQ28651;

Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic. Location/Qualifiers Heloderma suspectum Key Misc-difference 14

14Leu, 25Phe exendin-4 amide, useful as antiarrhythmic.

'note= "Wild-type Trp substituted by Phe" Misc-difference Modified-site

'note= "Wild-type Met substituted by Leu"

/note= "C-terminal amide"

WO2004056313-A2

08-JUL-2004

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P-19-DEC-2002; 2002US-0434888P-

(AMYL-) AMYLIN PHARM INC.

Hathaway DR, Baron AD;

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 22; 49pp; English

The present sequence is that of 14Leu, 25Phe exendin-4 amide derived from Heloderma suggectum exendin-4 ADQ26643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular cardiac action, and thereby reduce plasma free fatty acid (FFA) insulinocropic action, and thereby reduce plasma free fatty acid (FFA) clevels substantially more than can be accomplished with insulin. High FFA levels been implicated as a major toxic mechanism during myocardial schaemia. The compounds can be administered by injection following an ischaemia. The compounds can be administered by injection following an ischaemia revent or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to the cardiac ischaemia, reperfusion and congestive heart failure.

888888888888888888888888888888888888

Sequence 39 AA;

ADQ28651 Length: 39 February 4, 2005 13:20 Type: P Check: 9131 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPPS

. match found in sequence: adq28652 ; 14Leu,25Phe exendin-4 (1-28) amide, useful as antiarrhythmic. check: 261 from: 1 (from "seq4ags.pep") TOIG of: adq28652 c

ADQ28652 standard; peptide; 28 AA

ADQ28652;

23-SEP-2004 (first entry)

14Leu, 25Phe exendin-4 (1-28) amide, useful as antiarrhythmic.

Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma suspectum.

/note= "Wild-type Met substituted by Leu" Trp substituted by Phe" /note= "C-terminal amide' Location/Qualifiers /note= "Wild-type Misc-difference 14 Misc-difference 25 Modified-site

WO2004056313-A2

08-JUL-2004.

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

Hathaway DR,

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of

The present sequence is that of 14Leu, 25phe exendin-4 (1-28) amide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides exendin analogues of the invention. The present invention provides can ethods and compositions for preventing and treating cardiac arrhythmias. The compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFR) levels musterially more than can be accomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial schaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angloplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac arrhythmias by metabolic intervention. Disclosure; SEQ ID NO 23; 49pp; English. Sequence 28 AA;

ADQ28652 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKN 1

l match found in sequence: adq28653 ; 14Leu,22Ala,25Phe exendin-4 (1-28) amide, useful as antiarrhythmic.

to: 28

from: 1

(from "seq4ags.pep") TOIG of: adq28653 check: 151

14Leu,22Ala,25Phe exendin-4 (1-28) amide, useful as antiarrhythmic. ADQ28653 standard; peptide; 28 AA. 23-SEP-2004 (first entry) ADQ28653;

Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic

note= "Wild-type Phe substituted by Ala" 'note= "Wild-type Trp substituted by Phe" 'note= "Wild-type Met substituted by Leu" /note= "C-terminal amide" Location/Qualifiers 14 Heloderma suspectum Misc-difference 25 Misc-difference 22 Misc-difference Modified-site

WO2004056313-A2

38-JUL-2004

17-DEC-2003; 2003WO-US040504. 17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

The present sequence is that of 14Leu, 22Ala, 25Phe exendin-4 (1-28) amide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The compositions comprounds or their biologically active fragments. These compounds or their biologically active fragments. These compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular compounds extrongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FPA) levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be adcomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be, used to treat or prevent venticular arrhythmias such as angioplasty, coronary to the compounds or an arrhythmias such as angioplasty, coronary to the compounds. Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention. cardiac ischaemia-reperfusion and congestive heart failure. Disclosure; SEQ ID NO 24; 49pp; English Hathaway DR, Baron AD;

Sequence 28 AA;

AD028653 Length: 28 February 4, 2005 13:20 Type: P Check: 151 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLAIEFLKN

-- Search Statistics --

Total Elapsed 00:00:18.00 955 955 955 00:00:01.09 Number of sequences searched:
Number of sequence hits:
Number of separate matches:
Number of sequence hits saved: searched: Times:

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Selected search type is key against sequence data banks or files. Selected scope is Sequence. Selected sequence key from "mohamed337.key":

seq4 (AA) ID seq4 AA preliminary pattern

followed by
                                                    Quest - Quick User-directed Expression Search Tool
Release 5.4
                                                                                             -- Outline of search "seg4_pir"
                                                                                                                                                                                        h or r or y
s or g or a or t
a or d or e
                                                                                                                                                                                                                                                                                                                                                                                                                                     a or v
a or r
a or 1
any character
any character
a or e or d
any character
                                                                                                                                                                                                                                            a or t
any character
t or 8
t or 8
d or e
any character
a or 8
a or 7
a or 7
a or q
a or c
a or e
a or e
            IntelliGenetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a or 1
a or k
a or n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Selected files:
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File : seq4pir.pep

A;Molecule type: protein
A;Residues: 1-39 <ENGY
A;Cross-references: UNIPROT:P26349
C;Comment: Exendin-4 does not stimulate amylase secretion by pancreatic acinar

C;Superfamily: glucagon C;Keywords: amidated carboxyl end; duplication; venom F;39/Modified site: amidated carboxyl end (Ser) #status experimental

HWGH4G Length: 39 February 4, 2005 13:30 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

Total Elapsed 00:00:00:00

-- Search Statistics

CPU 00:00:00.00

Times:

sequence hits: separate matches: sequence hits saved:

Number of Number of Number of

searched

-- Output Parameters

	No	No	Yes	Yes	Yes	
File Options:	Indirect file	Sequence or key file	List of hits	Hit display	Name and annotations	
	Kact	0	88	88	80	20
Format Options:	Nucleic acid code matching	Find non-matching hits only	Report key used	Note position of hit	Display full annotations Ye	Sequence context

Run Parameters --

Batch	now No
Run mode	Time to start comparison Notify at end of run

		09-Jul-2004
		change
to: 39	•	zard) 93 #text_
from: 1	to: 39	lizard beaded li: 31-Mar-19
heck: 9591	391 from: 1	cican beaded lum (Mexican nce_revision
hwghz; 10ms in Edwards check: 9591 from: 1 to: 39	.pir.pep., vgh3z check: 99	P1;HWGH3Z - exendin-3 - Mexican beaded lizard C;Species: Heloderma horridum (Mexican beaded lizard) C;Date: 31-Mar-1993 #sequence_revision 31-Mar-1993 #text_change 09-Jul-2004
hwgh3z ; TOI	TOIG of: hw	Pl;HWGH3Z - C;Species: E C;Date: 31-M

1 match found in sequence:

R;Eng, J.; Andrews, P.C.; Kleinman, W.A.; Singh, L.; Raufman, J.P. J. Biol. Chem. 265, 20259-20262, 1990 A;Title: Purification and structure of exendin-3, a new pancreatic secretagogue A; Molecule type: protein
A; Residues: 1-39 < ENOS
A; Residues: 1-90 < ENOS
A; Cross-references: UNIPROT: P20394
C; Comment: Exending are venom components that are thought to bind to receptors for vasoactive intestinal peptide and/or secretin on pancreatic acinar cells and to activate adenylate cyclase, resulting in secretion of amylase.
C; Superfamily: glucago, end; duplication; secretagogue; venom
C; Keywords: amidated carboxyl end; duplication; secretagogue; venom
F;39/Modified site: amidated carboxyl end (Ser) #status experimental P1;HWGH4G - exendin-4 - Gila monster
C;Species: Heloderma suspectum (Gila monster)
C;Date: 31-Mar-1993 #sequence_revision 31-Mar-1993 #text_change 09-Jul-2004
C;Accession: A42486
C;Accession: A42486
Bibg, J; Kleinman, W.A.; Singh, L.; Singh, G.; Raufman, J.P.
J. Biol. Chem. 267, 7402-7405, 1992
A;Title: IsoJation and characterization of exendin-4, an exendin-3 analogue, from Heloderma suspectum venom. Further evidence for an exendin receptor on dispersed acini from guinea pig pancreas.
A;Reference number: A42486; MUID:92218391; PMID:1313797 HWGH3Z Length: 39 February 4, 2005 13:30 Type: P Check: 9591 Found using 'seq4' (mohamed337.key) isolated from Heloderma horridum venom.
A;Reference number: A23674; MUID:91056067; PMID:1700785
A;Accession: A23674 to: 39 match found in sequence:
hwgh4g; TOIG of: hwgh4g check: 9570 from: 1
(from "seq4pir.pep")
TOIG of: hwgh4g check: 9570 from: 1 to: 39 |------HSDGTPTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS A; Accession: A42486 •

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Times:
    61
                                                                                                                                                                         This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation-the Buropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@lib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Serine amide (G-87 provides amide group).
PubMed=11683627; DOI=10.1021/bi0109028;
Neidigh J.W., Fesinmeyer R.M., Prickett K.S., Andersen N.H.;
"Exendin-4 and glucagon-like-peptide-1: NMR structural comparisons in
Exendin-4 and micalle-associated states.";
Biochemistry 40:13188-13200(2001).
-!- FUNCTION: Has a VIP/secretin-like biological activity. Interacts
with the exendin receptor.
-!- SUBCELULAR LOCATION: Secreted.
-!- SUBCELULAR LOCATION: Secreted.
-!- SUBCELULAR SPECIFICITY: Expressed by the venom gland.
-!- SIMILARITY: Belongs to the glucagon family.
                                                                                                                                                                                                                                                                                                                                  PDB; 1JRJ; NNR; A=48-86.
InterPro; IPR00532; Glucagon.
Pfam; PF00123; Hormone_2; 1.
PROSTT; SM00070; GLUCA; 1.
PROSITE; PS00260; GLUCAGON; 1.
3D-Structure; Amidation; Direct protein sequencing; Glucagon family;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ċ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma horridum (Mexican beaded lizard).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Lepidosauria, Squamata, Scleroglossa, Anguimorpha, Helodermatidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HELSU Length: 87 February 4, 2005 13:30 Type: P Check: 973 I using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MKI ILWLCVFGLFLATLFPISWQMPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chen T., Kwok H., Shaw C.;
Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AJS80309; CAE30483.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9479 MW; 656BA6E3D87454A2 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QYSZU6;
01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MRR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          check: 1771 from: 1 to: 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Potential.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin-4
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MEEEAVRLFIEWLKNGGPSSGAPPPSG
                                                                                                                                                                                                                                                                                                         EMBL; U77613; AAB51130.1; -. PIR; A42486; HWGH4G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
q7szu6 ; Exendin 3 precursor.
(from "seq4uni.psp")
TOIG of: q7szu6 check: 1771
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TISSUE=Venom;
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                                                                                                                                                                                                                                                                                                                                                                                                                                       ignal; Toxin.
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PEPTIDE
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MKI ILWLCVFGLPLATLPPVSWQMPVESGLSSEDSASSESPASKIKRHSDGTFTSDLSKQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  48 86 exendin 3.
87 AA; 9481 MW; E66FA6F15AE5F127 CRC64;
                                              GO; GO:0005576; C:extracellular; IEA.
GO; GO:0005179; F:hormone activity; IEA.
InterPro; IPR0005131; Glucagon.
Pfam; PF00123; Hormone 2; 1.
SMART; SM00070; GLUCA; 1.
PROSITE; PS00260; GLUCAGON; 1.
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sequence hits:
separate matches:
sequence hits saved:
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HSSP; P26349; 1JRJ.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CHAIN
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No
Yes
Yes
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Selected sequence key from "mohamed337.key":
seq4 (AA) ID seq4 AA preliminary pattern

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                                                                                                                                    Quest - Quick User-directed Expression Search Tool
Release 5.4
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Indirect file Sequence or key file List of hits Hit display Name and annotations Exact No Yes Yes Yes Nucleic acid code matching Find non-matching hits only Report key used Note position of hit Display full annotations Sequence context

-- Run Parameters --

from: 1 to: 39 PRT; Batch now No P20394; 01-FEB-1991 (Rel. 17, Created) match found in sequence:
exe3helho; Exendin-3.
(from 'seq4uni.pep")
TOIG of: exe3_helho check: 9591 STANDARD; Run mode Time to start comparison Notify at end of run вхвз негно HAU

England State of Function W.A., Singh L., Raufman J.-P.;

Bing J., Addrew P.C., Kleinman W.A., Singh L., Raufman J.-P.;

"Purification and structure of exendin-3, a new pancreatic
scretagogue isolated from Heloderma horridum venom.";

J. Biol. Chem. 265:20259-20267(1990)

-I. FUNCTION: Has a VIP/secretin-like biological activity. Interacts

With the exendin receptor.

-I. SUBCELULAR IOCATION: Secreted.
-I. SIBLIARITY: Belongs to the glucagon family.

PIR; A23674; HWGH3Z.

RISSP; P26349; JJRJ.

RISSP; P26349; JJRJ.

RISSP; P26349; JJRJ.

RISSP; P26349; JJRJ.

RASP; P26349; JJRJ.

RASP; P26349; JJRJ.

RAMAT; SW00070; GLUCAGON; I.

RAMAT; SW00070; GLUCAGON; I.

RAMAT; PANOSTIE; PS00260; GLUCAGON; I.

RAMAT; PANOSTIE; PS00260; GLUCAGON; I.

RAMAT; PANOSTIE; PS00260; GLUCAGON; I. MEDLINE-92218391; PubMed=1313797;
Bng J., Kleinman W.A., Singh L., Singh G., Raufman J.-P.;
Bng J., Kleinman W.A., Singh L., Singh G., Raufman J.-P.;
"Isolation and characterization of exendin-4, an exendin-3 analogue,
from Heloderma suspectum venom. Further evidence for an exendin
receptor on dispersed acini from guinea pig pancreas.";
J. Biol. Chem. 267:7402-7405 (1992).
STRUCTURE BY NWR OF 48-86. SEQUENCE FROM N.A.
MEDLINE=97172477; PubMed=9020121; DOI=10.1074/jbc.272.7.4335;
Chen Y.E., Drucker D.J.;
Trissue-specific expression of unique mRNAs that encode proglucagon-derived peptides or exendin 4 in the lizard.";
J. Biol. Chem. 272:4108-4115(1997). 01-MAY-1992 (Rel. 22, Created)
01-MAY-1992 (Rel. 36, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
Exendin-4 precursor.
Bxendin-4 precursor.
Heloderma suspectum (Glia monster)
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Lepidosauria; Squamata; Scleroglossa; Anguimorpha; Helodermatidae; Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Lepidosauria; Squamata; Scleroglossa; Anguimorpha; Helodermatidae; EXE3 HELHO Length: 39 February 4, 2005 13:30 Type: P Check: 9591 Found using 'seq4' (mohamed337.key) Heloderma horridum horridum (Mexican beaded lizard). 39 39 Serine amide. 39 AA; 4204 MW; A44251D3A4B1D1B9 CRC64; 17, Last sequence update) to: 87 87 AA. |-----| HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS from: 1 PRT; TISSUE=Venom; MEDLINE=91056067; PubMed=1700785; check: 973 exe4helsu ; Exendin-4 precursor. (from "seq4uni.pep")
TOIG of: exe4_helsu check: 973 STANDARD; match found in sequence: 01-FEB-1991 (Rel. 05-JUL-2004 (Rel. SEQUENCE OF 48-86. NCBI_TaxID=8552; NCBI_TaxID=8554; LISSUE=Venom; Exendin-3. Heloderma. EXE4 HELSU MOD RES Heloderma SEQUENCE.

Type: P Check: 700

39

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has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                  AAB11128 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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to:
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                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
   aablil29 ; exendin agonist SEQ ID NO 9.
   (from "seqSags.pep")
   TOIG of: aablil29 check: 9131 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-FEB-2001 (first entry)
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                                                                                                                                            Sequence 28 AA;
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      8888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which
                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                       Kolterman
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      14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aabl1128 ; exendin agonist SEQ I
(from "seqSags.pep")
TOIG of: aabl1128 check: 700
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                (AMYL-) AMYLIN PHARM INC
                                                                                                   L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist SEQ
                                                                                                                                            WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200041546-A2
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                                                                                                       Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB11128;
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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No
Yes
Yes
                                                                                                                             Selected search type is key against sequence data banks or files. Selected scope is Sequence. Selected sequence key from "mohamed337.key":
seq5 (AA) ID seq5 AA preliminary pattern
1 followed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         File Options:
                                             Quick User-directed Expression Search Tool 5.4
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                                                                                                      -- Outline of search "seq5_ags"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -- Run Parameters --
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . match found in sequence:
aabill26 ; exendin agonist SEQ ID NO 6.
(from "seq5ags.pep")
TOIG of: aabill26 check: 4889 from:
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No
Yes
Yes
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Find non-matching hits only
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Time to start comparison
Notify at end of run
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a or g or a or t
a or g or a or t
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Note position of hit
Display full annotations
Sequence context
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               IntelliGenetics
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Release
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AAB11126 standard; peptide; 30 AA

AAB11126;

SX S

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                              Young A, L'italien JJ, Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 25; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aabil127; exendin agonist SEQ ID NO 7. (from "seq5ags.pep")
TOIG of: aabil127 check: 4889 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11127 standard; peptide; 30 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKQMEEEAVRLFIBWLKNGG
                                                                                                                                                                                                          14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                                        exendin agonist SEQ ID NO 6.
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                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or reducing food intake
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                                                                                                                                                WO200041546-A2.
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Type: P Check: 166

to: 28

from: 1

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1 match found in sequence:
aab11136 ; exendin agonist peptide SEQ ID NO 44.
                                          AAB11135 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 44.
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                                                                                                                                                                                                                                                                                                                         AAB11136 standard; peptide; 28 AA
                                                                                                          (from "seq5ags.pep")
TOIG of: aab11136 check: 231
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Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                      AAB11136;
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g
                                                                                                                                                                                                                                                                                                                              This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11135 ; exendin agonist peptide SEQ ID NO 43.
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                                                                                                       Example 49; Page 127; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11135 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                            HAEGTFTSDLSKQLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or reducing food intake
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WPI; 2000-514584/46.
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TOIG of: aab11135 o
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensativity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
Exendin; agoniet; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabl1137; exendin agonist peptide SEQ ID NO 45.
(from "seq5ags.pep")
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                           20-JUL-2000.
                                                                                             Synthetic
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Fri Feb

1 match

AAB11130;

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               aabl1134; exendin agonist peptide SEQ ID NO 42. (from "seq5ags.pep")
TOIG of: aabl1134 check: 249 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11131 Length: 28 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 26; 281pp; English
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HGEGTFTSDLSKQLEEEAVRLAIEFLKN
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC
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                Synthetic
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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 26; 281pp; English.
          . match found in sequence:
aabl1130; exendin agonist SEQ ID NO 41.
(from "seq5ags.pep")
TOIG of: aabl1130 check: 261 from: 1
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aab11131 ; exendin agonist SEQ ID NO
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                                                                                                               AAB11130 standard, peptide; 28
                                                                                                                                                                                                                                  exendin agonist SEQ ID NO 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-1999; 99US-0116380P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-JAN-2000; 2000WO-US000902
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TOIG of: aab11131
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Young A,

AAB11131

AAB11130

Found

Sequence 28 AA;

8888888888888

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                          match found in sequence:
aablilil; exemdin agonist peptide SEQ ID NO 49.
(from "seq5ag.pep")
TOIG of: aablilili check: 53 from: 1 to: 28
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aablil42; exendin agonist peptide SEQ ID NO 50.
(from "segaga.pep")
TOIG of: aablil42 check: 107 from: 1 to: 28
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                            Type: P
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aabl1140; exendin agonist peptide SEQ ID NO 48.
(from "seq5ags.pep")
TOIG of: aabl1140 check: 141 from: 1 to: 28
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10-JAN-2000; 2000US-0175365P
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23

Check:

Type: P

(AMYL-) AMYLIN PHARM INC

WO200041546-A2

Synthetic

20-JUL-2000

20-PEB-2001

AAB11140

L'italien JJ,

Young A,

WPI; 2000-514584/46.

exendin agonist peptide SEQ ID NO

(first entry)

20-FEB-2001

AAB11140 Length: 28 February 4, 2005 13:32 Type: P Check: 141 Found using 'seq5' (mohamed337.key)

or reducing food intake

Sequence 28 AA;

HGEGTFTSDLSAQLEEEAVRLFIEFLKN

AAB11142;

· AAB11137;

Synthetic.

Young A,

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                    formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11139 ; exendin agonist peptide SEQ ID NO 47.
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                                     14-JAN-1999; 99US-0116380P.
14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P.
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TOIG of: aab11139 c
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                                                                                                                                   Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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aab11138 ; exendin agonist peptide SEQ ID NO 46.
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                                                                                             exendin agonist peptide SEQ ID NO 45
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TOIG of: aab11138 o
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AAB11137

20-JUL-2000

Synthetic.

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Check: 151

Type: P

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders, which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                          Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11146 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 55.
                                                                                                                                    exendin agonist peptide SEQ ID NO 54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 61; Page 137; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aabil147; exendin agonist peptide SEQ
(from "seq5ags.pep")
TOIG of: aabil147 check: 9921 from:
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                 AAB11146 standard; peptide; 28 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKOLEEEAARLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                      14-JAN-1999; 99US-0116380P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
                                                                                                                                                                                                                                                                                 WO200041546-A2
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                                                                                             20-FEB-2001
                                                                                                                                                                                                                                                                                                                         20-JUL-2000
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                                                                                                                                                                                                                                        Synthetic
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                                                       AAB11146;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                              Check: 197
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11145 Length: 28 February 4, 2005 13:32 Type: P ound using '8eq5' (mohamed337.key)
                                                                            AAB11144 Length: 28 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aab11146; exendin agonist peptide SEQ ID NO 54.
(from "seq5ags.pep")
TOIG of: aab11146 check: 9862 from: 1 to: 28
                                                                                                                                                                                                                                        . match found in sequence:
aabl1145; exendin agonist peptide SEQ ID NO 53.
(from "seq5ags.pep")
TOIG of: aabl1145 check: 193 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      exendin agonist peptide SEQ ID NO 53.
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                                                                                                                                                                                                                                                                                                                                                 AAB11145 standard; peptide; 28 AA
                                                                                                                                                         HGEGTFTSDLSKQLEAEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L'italien JJ,
or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-514584/46.
                                      Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                       AAB11145;
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Type: P Check: 9862

Kolterman

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Young A,
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                                                                                                                                                                                                AAB11143
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                               formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                       28 February 4, 2005 13:32 Type: P Check: 107 (mohamed337.key)
         plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
abblints; exendin agonist peptide SEQ ID NO 51.
(from "seq5ags.pep")
TOIG Of: abblints check: 201 from: 1 to: 28
                                                                                                                                                                                                                            Example 57; Page 133-134; 281pp; English
                                                                                                                                                          Kolterman 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 51,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11143 standard; peptide; 28 AA
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HGEGTFTSDLSKQAEEBAVRLFIBFLKN
                                                                                     14-JAN-2000; 2000WO-US000902.
                                                                                                         14-JAN-1999; 90US-0116380P.
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                                                                                                                                      (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                        L'italien JJ,
                                                                                                                                                                            WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                        AAB11142 Length: 28
                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
                                              WO200041546-A2.
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                                                                  20-JUL-2000
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                            Synthetic.
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                                                                                                                                                         Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11144 ; exendin agonist peptide SEQ ID NO 52.
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                                                                                                                                                                                                                                                                      Example 58; Page 134; 281pp; English
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TOIG of: aab11144 check: 197
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L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  or reducing food intake
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                                                                          WPI; 2000-514584/46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                               Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                  formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aab11152; exendin agonist peptide SEQ ID NO 60.
(from "seq5ags.pep")
TOIG of: aab11152 check: 9991 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 28
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exendin agonist peptide SEQ ID NO 59.
                                                                                                                                                                                                                                                                                      Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 60.
                                                                                                                                                                                                                                                                                                                                                                                                Example 66; Page 140; 281pp; English
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-FEB-2001 (first entry)
                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                    Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or reducing food intake
                                                                                                                                                                                                                                                                                                                 WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
                                                                                                          WO200041546-A2.
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                                                                             Synthetic.
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 This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                    Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                           . match found in sequence:
aabl1150; exendin agonist peptide SEQ ID NO 58.
(from "seq5ags.pep")
TOIG of: aabl1150 check: 136 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aab11151; exendin agonist peptide SEQ ID NO
  (from "seq5ags.pep")
  TOIG of: aab11151 check: 9975 from: 1 to:
                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 58.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 65; Page 140; 281pp; English
                                                                                                                           from: 1
                                                                                                                                                          AAB11150 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28 AA
    HGEGTFTSDLSKQLEEEAVRLFIAFLKN
28
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A,
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AAB11149 Length: 28 February 4, 2005 13:32 Type: P Check: 165 Found using 'seq5' (mohamed337.key)
   Example 63; Page 138; 281pp; English.
    8X555555555X8
                                                                                                                                                                                                                                                                                             This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which hower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                         AAB11147 Length: 28 February 4, 2005 13:32 Type: P Check: 9921 'ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aabl1148; exendin agonist peptide SEQ ID NO 56.
(from "seq5ags.pep")
TOIG of: aabl1148 check: 30 from: 1 to: 28
                                                                                                  Kolterman O;
                                                                                                                                                                             Example 62; Page 137; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin agonist peptide SEQ ID NO 56.
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                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKQLEEEAVALFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB11148 standard; peptide; 28
                      14-JAN-2000; 2000WO-US000902.
                                            99US-0116380P
                                                     10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                            (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
                                                                                                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L'italien JJ,
                                                                                                                        WPI; 2000-514584/46
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                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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                                            14-JAN-1999;
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20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                  Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                              Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aab11149 ; exendin agonist peptide SEQ ID NO 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                              Length: 28 February 4 'seq5' (mohamed337.key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                        or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (from "seq5ags.pep"
TOIG of: aab11149
                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
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seq5_ags.res

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                           formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          l match found in sequence:
aab11157; exendin agonist peptide SEQ ID NO
  (from "seq5ags.pep")
  (from aab11157 check: 2854 from: 1 to:
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP
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                                                                                                                                                                                                                                                                                                                                                         Example 71, Page 144; 281pp; English.
                                                                                                                                                                                                                  Kolterman
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                 99US-0116380P
                                                                                                                                  10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                  L'italien JJ,
                                                                                                                                                                                                                                                      WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 37 AA;
WO200041546-A2.
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                                                                                                                 14-JAN-1999;
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                                     20-JUL-2000
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                                                                                                                                                                                                                  Young A,
                                                                                                                                                                                                                                                                                                 New
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                    to: 38
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aab11156 ; exendin agonist peptide SEQ ID NO 64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
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                                                                                                                                                                             exendin agonist peptide SEQ ID NO 63.
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                    from: 1
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                                                         AAB11155 standard; peptide; 38 AA
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10-JAN-2000; 2000US-0175365P
                    check: 5894
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      L'italien JJ,
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(from "seq5ags.pep")
TOIG of: aab11155 c
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TOIG of: aab11156
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                                                                                                                                                                                                                                                                            Synthetic
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                                                                                               AAB11155
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Fri Feb

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1 match found in sequence:
aab11155 ; exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                        20-FEB-2001
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                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                AAB11154;
                                                                                       Found using
                                                                          AAB11153
 82002
                                                                                                                                                                                                                                        This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which mas a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                           Length: 28 February 4, 2005 13:32 Type: P Check: 9991
ng 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                          61.
                                                                                                                                                                                                                                                                                                                                                                                                                 to: 28
                                                                                                                                                                                                                                                                                                                                                                                          õ
                        Kolterman O;
                                                                                                              Example 67; Page 141; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                         aabl1153 ; exendin agonist peptide SEQ ID
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 61.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                         28 AA
                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQLEEEAVRLFIEFLAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11153 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                 check: 9897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
(AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                        L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-514584/46.
                                                WPI; 2000-514584/46
                                                                                                                                                                                                                                                    Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200041546-A2
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                                                                                                                                                                                                                                                                                       Found using 'segs'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB11153;
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                          Young A,
                                                                                                                                                                                                                                                                           AAB11152
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                          Check: 9897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Type: P Check: 6333
                                                                                                                                                                                      Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     aab11154 ; exendin agonist peptide SEQ ID NO 62.
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                                                                                                                                                                                      2005 13:32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young A, L'italien JJ, Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11154 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                              |-----HGEGTFTSDLSKQLEBERAVRLFIEFLKA
28
                                                                                                                                                                                          28 February 4,
(mohamed337.key)
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10-JAN-2000; 2000US-0175365P.
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                                                              or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (from "seq5ags.pep")
TOIG of: aab11154 c
                                                                                                                            Sequence 28 AA;
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                                                                                                                                                                                          Length:
                                                                                                                                                                                                                       'seg5'
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63.

Synthetic

Young A,

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                         formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Type: P Check: 7014
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aabl1162; exendin agonist peptide SEQ ID NO 70.
(from "seq5age.pep")
TOIG of: aabl1162 check: 5178 from: 1 to: 34
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HGEGTFTSDLSKQLEEBAVRLFIEFLKNGGPSSGA
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                                                                                     Kolterman O;
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                                                                                                                                                                                                                                        Example 76; Page 148; 281pp; English
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  10-JAN-2000; 2000US-0175365P
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                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young A, L'italien JJ,
                                                                                   L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-514584/46
                                                                                                                            WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 35 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Found using 'seq5'
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                                                                                     Young A,
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                                                                                                                                                                         New
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                   Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aab11161 ; exendin agonist peptide SEQ ID NO
  (from "seq5ags.pep")
TOIG of: aab11161 check: 7014 from: 1 to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
                                          exendin agonist peptide SEQ ID NO 68.
                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 69.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 75; Page 147; 281pp; English
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10-JAN-2000; 2000US-0175365P
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                     L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      or reducing food intake
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  20-FEB-2001
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Found using

9

Synthetic

2×4×4×4×8×4×4×4×4×4×4×4

AAB11161

Found using 'seq5' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                            AAB11157 Length: 37 February 4, 2005 13:32 Type: P Check: 2854 ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                       apiliss ; exendin agonist peptide SEQ ID NO 66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 36
                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQLEBEAVRLFIEFLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 66.
                                    Example 72; Page 145; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq5ags.pep")
TOIG of: aab11158 c
                                                                                                                                                                                                                                          Sequence 37 AA;
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#X8X8888888888888888
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AAB11158 Length: 36 February 4, 2005 13:32 Type: P Check: 333

Sequence 36

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                 to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                35
                                                          1 match found in sequence:
aab11159 ; exendin agonist peptide SEQ ID NO 67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aabil160 ; exendin agonist peptide SEQ ID NO 68.
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g 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 74; Page 146-147; 281pp; English
HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |------|
HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAP
                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman O;
                                                                                                                 from: 1
                                                                                                                                                 AAB11159 standard; peptide; 36 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
                                                                                                 (from "seq5ags.pep")
TOIG of: aab11159 check: 9894
                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young A, L'italien JJ,
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TOIG of: aab11160 c
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                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                AAB11159;
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                                                                                                                                         Sequence 32 AA;
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                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                        AAB11167;
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                                                                                                                                                                                                        This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying, food intake.
                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                  Check: 2325
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ound using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
aabl1166 ; exendin agonist peptide SEQ ID NO 74.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 74.
                                                                                                                       Kolterman O;
                                                                                                                                                                                          Example 80; Page 151; 281pp; English
                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB11166 standard; peptide; 32
                                                                         14-JAN-1999; 99US-0116380P.
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10-JAN-2000; 2000US-0175365P
                                                       14-JAN-2000; 2000WO-US000902
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                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                        L'italien JJ,
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                                                                                                                                           WPI; 2000-514584/46.
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TOIG of: aab11166
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                   WO200041546-A2
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                                      20-JUL-2000
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity as a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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aabl1167; exendin agonist peptide SEQ ID NO
(from "seq5ags.pep")
TOIG of: aabl1167 check: 9586 from: 1 to:
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                                                                                                                                Example 81; Page 152; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB11167 standard; peptide; 32 AA
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10-JAN-2000; 2000US-0175365P.
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activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                            Length: 34 February 4, 2005 13:32 Type: P Check: 5178
9 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                     aabl1163 ; exendin agonist peptide SEQ ID NO 71.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                                                                                       to: 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 71
                                                                                                                                                                                                               HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSG
                                                                                                                                                                                                                                                                                                                                       from: 1
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10-JAN-2000; 2000US-0175365P,
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                                                                                                           Sequence 34 AA;
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TOIG of: aab11163
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                                                                                                                                            AAB11162
                                                                                                                                                                                                                                                                                  1 match
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AAB11163 Length: 34 February 4, 2005 13:32 Type: P Check: 4739 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                               Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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match found in sequence:
aab11164 ; exendin agonist peptide SEQ ID NO 72.
                                                 to: 33
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(from "seq5ags.pep")
TOIG of: aab11165 check: 2325 from: 1 to: 33
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                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 72.
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                                                   from: 1
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                                                                                 AAB11164 standard; peptide; 33
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10-JAN-2000; 2000US-0175365P.
                                                 check: 2764
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                                  (from "seq5ags.pep")
TOIG of: aab11164 c
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                                                                                                                                                                                                                                                                 Synthetic
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exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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aabl1172; exendin agonist peptide SEQ ID NO 80.
(from "seq59gs.pep")
TOIG of: aabl1172 check: 2320 from: 1 to: 29
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                                                                                                                                                                                                                      AAB11171 Length: 29 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
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3 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB11172 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-FEB-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     or reducing food intake
                                                                                                                                        or reducing food intake
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                                                                                                                                                                                 Sequence 29 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB11172;
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                                                                                                                                                                                                                                                                                                                                  This invention describes a novel formulation (I) comprising an exendin or exection agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which have plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Check: 4450
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aab11171 ; exendin agonist peptide SEQ ID NO 79.
(from "seq5ags.pep")
TOIG of: aab11171 check: 2759 from: 1 to: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 29
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                                                                                                                                        Kolterman O;
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                                                                                                                                                                                                                                                                                              Example 85; Page 155; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 86; Page 156; 281pp; English
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                           .99US-0116380P
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      entry)
                                                                                            (AMYL-) AMYLIN PHARM INC
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                                                                                                                                        L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first
                                                                                                                                                                                   WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 30 AA;
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                             14-JAN-1999;
10-JAN-2000;
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                                                                                                                                        Young A,
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1 match

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                         Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes;
plasma glucose; gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11169 Length: 31 February 4, 2005 13:32 Type: P Check: 6930 ound using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aabl1170; serdin agonist peptide SEQ ID NO 78. (from "seq5ags.pep")
TOIG of: aabl1170 check: 4450 from: 1 +0.20
                                                                                   exendin agonist peptide SEQ ID NO 77.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 84; Page 154; 281pp; English.
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                                                                                                                                                                                                                                                                                                                           14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P
                                          (first entry)
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AAB11169;
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# X B X B X S X M M X B X B X B X Y X R
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                  AAB11167 Length: 32 February 4, 2005 13:32 Type: P Check: 9586 Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                          to: 31
                                                                                                                                                                                      . match found in sequence:
aabl1168; exendin agonist peptide SEQ ID NO 76.
(from "Beq5ags.pep")
TOIG of: aabl1168 check: 7369 from: 1 to: 31
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aabl1169; exendin agonist peptide SEQ ID NO 77.
(from "seq5ags.pep")
TOIG of: aabl1169 check: 6930 from: 1 to: 31
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                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 83; Page 153; 281pp; English
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                                                                                                     HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                                                                  AAB11168 standard; peptide; 31 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
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Nev

14-JAN-2000; 2000WO-US000902.

20-JUL-2000

AAB11169 standard; peptide; 31 AA

seq5_ags.res

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                     This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                         AAB11175 Length: 37 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                  84.
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aabl1176 ; exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      exendin agonist peptide SEQ ID NO 84.
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                                                                            Example 90; Page 159; 281pp; English
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10-JAN-2000; 2000US-0175365P
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            WPI; 2000-514584/46.
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TOIG of: aab11176 o
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB11176;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
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                                                     Type: P Check: 4125
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aablil178; exendin agonist peptide SEQ ID NO 86.
(from "segasg.pep")
TOIG of: aablil78 check: 333 from: 1 to: 36
                                                                                                                                                                                                                                                                                             match found in sequence:
aabl1177; exendin agonist peptide SEQ ID NO 85.
[from "seq5ags.pep"]
TOIG of: aabl1177 check: 3293 from: 1 to: 37
                                                     37 February 4, 2005 13:32 (mohamed337.key)
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                                                                                                                                                                           HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGXSSGAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin agonist peptide SEQ ID NO 85.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 92; Page 160; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11177 standard; peptide; 37 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-514584/46.
                                                         AAB11176 Length: 37
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Sequence 37 AA;
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                                                                                        Found using 'seq5'
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aabl1175; exendin agonist peptide SEQ ID NO 83.
(from "sed589s.pep")
TOIG of: aabl1175 check: 3541 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1174 Length: 38 February 4, 2005 13:32 using 'seq5' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 89; Page 158; 281pp; English
                                                                                                                                                                                                                                                                                                       Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11175 standard; peptide; 37 AA
                                                                                                                                                            14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                    14-JAN-1999; 99US-0116380P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               or reducing food intake
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                                                                              WO200041546-A2
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                                   Synthetic
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                   Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                            to: 38
                               1 match found in sequence:
   aablil173; exendin agonist peptide SEQ ID NO 81.
   (from "seq5ags.pep")
   TOIG Of: aablil73 check: 6333 from: 1 to: 38
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman 0;
                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 81.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 88; Page 157; 281pp; English
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                                                                                                                                    AAB11173 standard; peptide; 38 AA
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                                                                                                                                                                                                                                                                                                                                                              Synthetic.
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Type: P Check: 6333

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geq5_ags.res

HGEGTATSDLSKQLEEBAVRLFIEFLKN 1

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. match found in sequence:
aabilis2; exendin agonist peptide SEQ ID NO 90.
(from "seq5ags.pep")
TOIG of: aabilis2 check: 693 from: 1 to: 28
                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                            Check: 4886
                                                                                                                                                                                                                                            AAB11180 Length: 30 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aablils1; exendin agonist peptide SEQ ID NO 89.
(from "seq5ags.pep")
TOIG of: aablils1 check: 231 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin agonist peptide SEQ ID NO 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB11181 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                    HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                   Sequence 30 AA;
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Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.

Synthetic

exendin agonist peptide SEQ ID NO 90.

20-FBB-2001 (first entry)

AAB11182;

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AAB11182 standard; peptide; 28

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aablil83; exemdin agonist peptide SEQ ID NO 91.
(grom "seq589s.pep"
TOIG of: aablil83 check: 701 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                         Kolterman
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HGEGTFSSDLSKQMEEEAVRLFIEWLKN
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                                                                                                       14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
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WO200041546-A2
                                                   20-JUL-2000.
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231

check:

AAB11181 Length: 28 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabil1180; exendin agonist peptide SEQ ID NO 88.
(from "seq5ags.pep")
TOIG of: aabil1180 check: 4886 from: 1 to: 30
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RGEGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGA
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                                                                                                                                                                                                                                                                                                                     Example 94; Page 162; 281pp; English
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                   14-JAN-2000; 2000WO-US000902
                                                           14-JAN-1999; 99US-0116380P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                           (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                     Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 or reducing food intake
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                                                                                                                                                                                                             WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 35 AA;
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    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                   Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11179 ; exendin agonist peptide SEQ ID NO 87.
(from "seq5ags.pep")
TOIG of: aab11179 check: 7463 from: 1 to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |------HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman O;
                                                                                                                           exendin agonist peptide SEQ ID NO 86.
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AAB11178 standard; peptide; 36
                                                                                                                                                                                                                                                                                                                                                             14-JAN-2000; 2000WO-US000902.
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                                                                                 (first entry)
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                                       AAB11178
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin or exendin aponist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                              Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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aab11188 ; exendin agonist peptide SEQ ID NO 96.
to: 28
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                                                                                                                                                            exendin agonist peptide SEQ ID NO 95.
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                                       AAB11187 standard; peptide; 28
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  TOIG of: aab11187 check: 654
                                                                                                                    (first entry)
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TOIG of: aab11188 <
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                                                                               AAB11187;
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                                         This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which act as a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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  which would benefit from agents that delay and/or slow gastric emptying
or reducing food intake
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                                                                                                  Check: 211
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aabl1187; exendin agonist peptide SEQ ID NO 95.
(from "seq5ags.pep")
                                                                                                                                                                                                                                                                             aabl1186; exendin agonist peptide SEQ ID NO 94. (from "seq5ags.pep")
TOIG of: aabl1186 check: 151 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                              AAB11186 standard; peptide; 28 AA
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AAB11186

Type: P Check: 654

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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abblings , exendin agonist peptide SEQ ID NO 93.
(aform "seqsags.pep")
TOIG of: aablil85 check: 211 from: 1 to: 28
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                                                                                                                                                                                       Example 99; Page 166; 281pp; English
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                        Kolterman
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                     L'italien JJ,
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                                                                    WPI; 2000-514584/46.
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                        Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                   Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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(from "seq5ags.pep")
TOIG of: aab11184 check: 649 from: 1 to: 28
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                   WO200041546-A2
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                                                                                          Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                      Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                          Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aab11193; exendin agonist peptide SEQ ID NO 101 (from "seq5ags.pep")
TOIG of: aab11193 check: 249 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  February 4, 2005 13:32
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                 exendin agonist peptide SEQ ID NO 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 109; Page 173; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB11193 standard, peptide; 28 AA
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10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                              Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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Found using 'seq5'
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                                                                                                                         Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                              Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aabl1192 ; exendin agonist peptide SEQ ID NO 100.
(from "seq5ags.pep")
TOIG of: aabl1192 check: 254 from: 1 to: 28
                                                                                                                                                                                      to: 37
                                                                                                                                             NO 99.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDASKOMEERAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 106; Page 171; 281pp; English.
                                                                                                                       1 match found in sequence:
aablil91 ; exendin agonist peptide SEQ ID
(from "seg5ags.pep,"
TOIG of: aablil91 check: 3183 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman O;
                                                                                                                                                                                                                                                                                                                                                       exendin agonist peptide SEQ ID NO 99.
                                                                                                                                                                                                                           37 AA
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                                         HGEGTFTSDASKOMEEEAVRLFIEWLKNG
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                             AAB11191 standard; peptide;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
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SXXXE

Fri Feb

Check: 2215

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin, agoniet, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                              Type: P
                                                                                                                                                                                                                                                                                                                                                                              29
                                                                                                                                                                                                                                                                                                                                                aab11190 ; exendin agonist peptide SEQ ID NO 98.
(from "seq5ags.pep")
TOIG of: aab11190 check: 2649 from: 1 to: 29
                                                                                                                                                                                                              2005 13:32
                 Example 104; Page 170; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 105; Page 170; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 98
                                                                                                                                                                                                                                                                        HGEGTFTSDASKQLBEBAVRLFIEFLKNGGPSS
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                   or reducing food intake
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                                                                                                                                                                                                                                                                                                                                  1 match found in sequence
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                                                                                                                                                                                 Sequence 33 AA;
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 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11188 Length: 28 February 4, 2005 13:32 Type: P Check: 237 Found using 'seq5' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           plasma glucose; gastric emptying; food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aab11189; exendin agonist peptide SEQ ID NO
(from "seq5ags.pep")
TOIG of: aab11189 check: 2215 from: 1 to:
                                                                                                                                                                                                                                                          Example 103; Page 168; 281pp; English,
                                                                                                                                                   Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 97
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10-JAN-2000; 2000US-0175365P
                                           14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                     (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                   Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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